

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

THE SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR

P. O. DRAWER 'G', CORTEZ, COLORADO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1654' FWL, 1711' FSL **NE SW**

At proposed prod. zone

Same as surface

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

1-3/4 miles S-SE of Aneth, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

929' North

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED
TO THIS WELL

80

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.No wells on lease
1880' NW across lease

19. PROPOSED DEPTH

5480'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

line

4572' Ungraded ground level

22. APPROX. DATE WORK WILL START*

October 31, 1979

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	100'	150 sx
12-1/4"	8-5/8"	24#	1328'	850 sx
7-7/8"	5-1/2"	14 & 15.5#	5480'	250 sx

1. Drill 17-1/2" hole to 100'. Set 13-3/8" casing to 100' and cement to surface with 150 sacks.
2. Drill 12-1/4" hole to 1328'. Set 8-5/8" casing to 1328' and cement to surface with 850 sacks. NU BOPS.
3. Drill 7-7/8" hole through Desert Creek to approximately 5480'. 150' of core to be cut in Desert Creek Zone.
4. Log well.
5. Set 5-1/2" casing at 5480' and cement with 250 sacks.
6. Perforate Desert Creek and stimulate based on log evaluation.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

James R. Oberlander
James R. Oberlander

TITLE

Engineer

DATE

Oct. 16, 1979

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

JRO/1h

Orig + 3- USGS, State - 2, T. W. Cooley, C. R. Coffey, W. H. Speers, Dick Keelan,
W. N. Mosley, Navajo Tribe, H. Haven, Exxon Company, USA, Central File, File

SUPPLEMENT TO FORM 9-331C

WELL: Southeast McElmo Creek #28-23

SURFACE FORMATION WHERE PROPOSED DRILLING IS TO TAKE PLACE: Dakota

UNPREPARED GROUND SURFACE ELEVATION: 4571'

ESTIMATED FORMATION TOPS: (Measured from KB approximately 4584')

Chinle	1296'
DeChelly	2349'
Ismay	5172'
Gothic Shale	5323'
Desert Creek	5343'
Chimney Rock	5473'
TD	5480'

WATER BEARING FORMATIONS: Water is expected to be encountered intermittently from 400' to 1296'.

HYDROCARBON BEARING FORMATIONS: Oil and gas are expected to be encountered intermittently from 5343' to 5473'.

MUD PROGRAM: Surface to 2000' - Water

2000' to 4900' - Lignosulfonate or similar mud system;
no water loss control, weighted as necessary
with Barite.

4900' to TD - Lignosulfonate or similar mud system; 15 cc
water loss, weighted as necessary with Barite.

CEMENT PROGRAM: Conductor - Cement to surface with 150 sx B.J. Light with
Class 'B' cement containing 4% gel and 2% CaCl.

Surface - Cement to surface w/750 sx B.J. Light w/10#/sk
Gilsonite, followed w/100 sx Class 'B' Neat w/2%
CaCl at 15.6 ppg.

Production - 250 sx Class 'B' with 5#/sk salt, 1/2#/sk Firm
set and 3/4% CFR-2.

LOGGING PROGRAM: CNL-FDC, Sonic - TD to 1328'
DLL, MSFL and Velocity - TD to 4400'

CORING PROGRAM: 150'± to be cut in Desert Creek

PRESSURE CONTROLS: Blowout preventer equipment will be 10" Series 600 with blind
rams and drill pipe rams hydraulically and manually controlled.
The schematic of the pressure control equipment can be seen on
the following page. The mud system will be monitored by visual
inspection.

ANTICIPATED STARTING DATE: October 31, 1979

DURATION OF DRILLING OPERATION: 21 days

THE SUPERIOR OIL COMPANY

P. O. DRAWER G

CORTEZ, COLORADO 81321

October 16, 1979

Mr. David Maldonado
District Engineer
U. S. Geological Survey
P. O. Box 959
Farmington, New Mexico 87401

Re: Surface Use Development Plan
Proposed Well
Southeast McElmo Creek #28-23
1654' FWL, 1711' FSL
Section 28, T41S, R25E
San Juan County, Utah

Dear Mr. Maldonado:

The "Surface Use Development Plan" for the proposed Superior's Southeast McElmo Creek #28-23 is as follows:

1. The existing roads and the location of the main highway exits are shown on the attached road and pipeline plat.
2. The proposed drilling pad will be adjacent to the existing road and will not require an access road.
3. The location and status of wells in the vicinity are shown on the attached road and pipeline plat.
4. The location of any production facilities, flow lines and lateral roads in the vicinity of the proposed well are shown on the attached plat. The 2" flow line from the proposed well will run 200' west to a new tank battery, the area of the tank battery being approximately 100' X 300' where the oil, gas and water will be separated. If the new production facilities are required, a detailed building plan will be submitted for approval. A new 4" oil line, 4" water line and 6" gas line are proposed from the new tank battery to the existing Southeast McElmo tank battery gathering system.
5. Water for drilling operations will be obtained from the San Juan River.
6. Materials necessary for the construction of the access road and drilling pad will be obtained from the location. No access roads for the purpose of hauling materials will be necessary.

7. Waste materials will be collected in earth pits. The perimeter of these pits will be fenced with small mesh wire. When drilling operations are complete these earth pits will be backfilled and leveled to the contour of the original landscape. Small portable trailer houses for the company and contract drilling personnel may be on the location. A sufficient number of OSHA approved chemical toilets will be provided and maintained.
8. The location and position of drilling equipment is shown on the attached plat. Included on this plat is a cross section diagram showing cuts and fills necessary for the construction of the drilling pad. The drilling pad will be located approximately at ground level. Materials at the location will be used for elevation of the pad.
9. Surface land is owned by the Navajo Tribe and is used primarily for grazing. Vegetation consists of sparse desert type ground cover and Tamarisks. There are no Indian habitations or artifacts in the immediate vicinity of the proposed drillsite, access road, flow line, construction and material site or road used in transportation of material.
10. The drilling pad will be approximately 300' west of a man-made earthen dam.

Very truly yours,

THE SUPERIOR OIL COMPANY

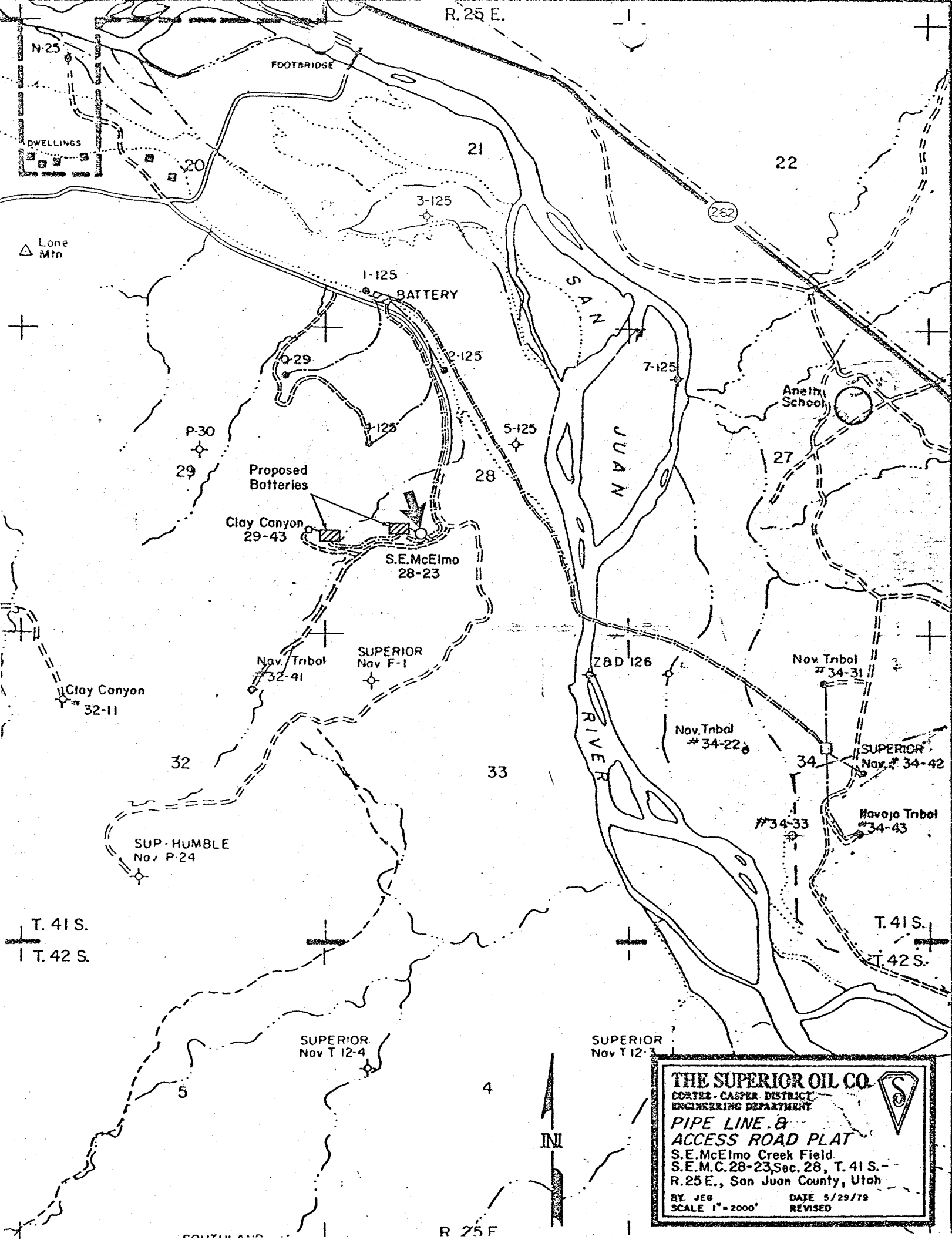
James R. Oberlander

James R. Oberlander

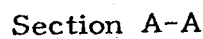
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by THE SUPERIOR OIL COMPANY and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Oct. 16- 79
Date

Wm. H. Edwards
Wm. H. Edwards
Area Production Superintendent



Superior Oil Co. July 3, 1979
Well 28-23



Horizontal scale: $1'' = 100'$
Vertical scale: $1'' = 50'$

THOMAS Engineering Inc.

215 N. Linden
Cortez, Colorado
365-4486

KNOW ALL MEN BY THESE PRESENTS:

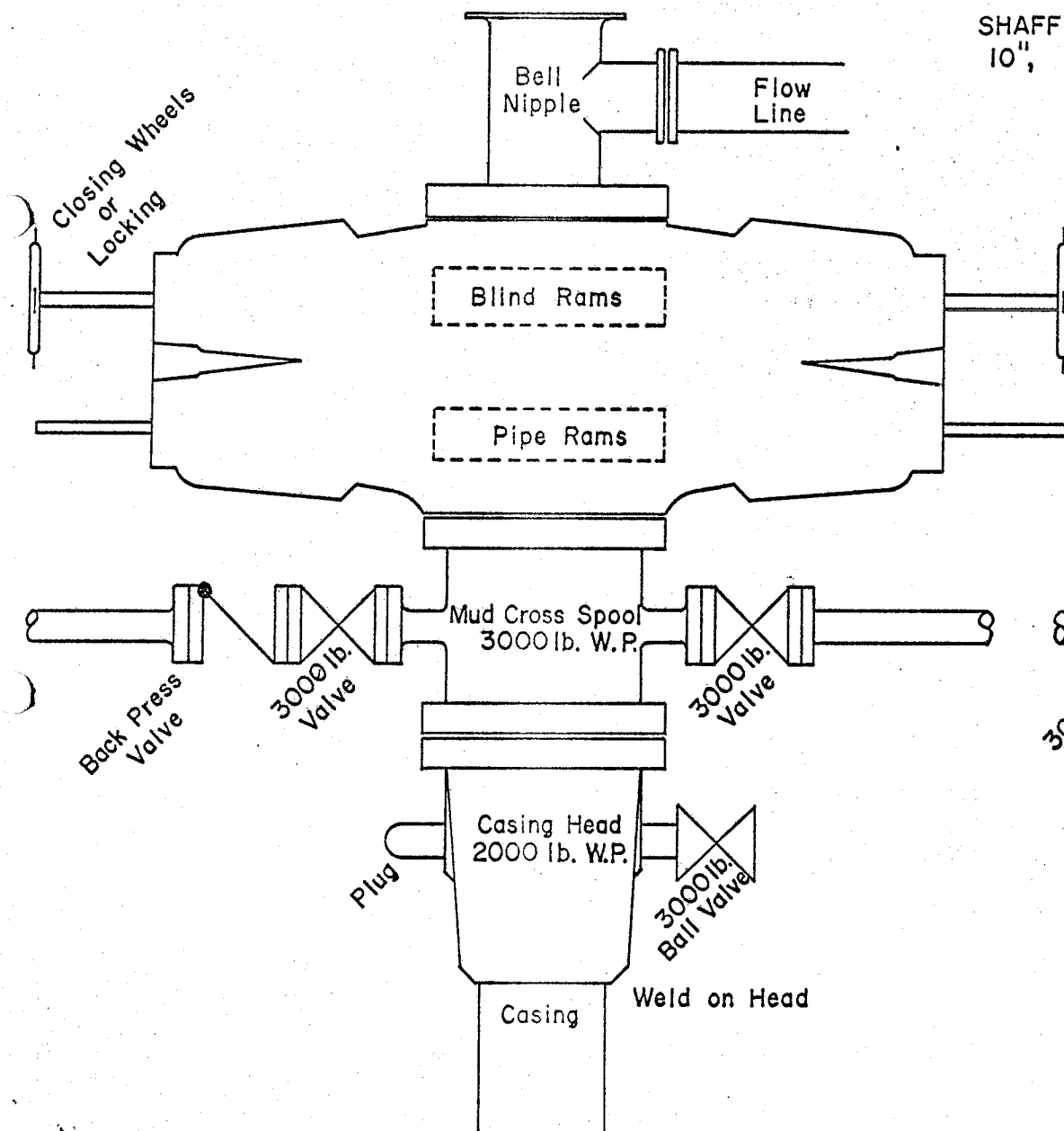
THAT I, FREDRIC P. THOMAS

do hereby certify that I prepared this plat from an actual and accurate survey of the land and that the same is true and correct to the best of my knowledge and belief.

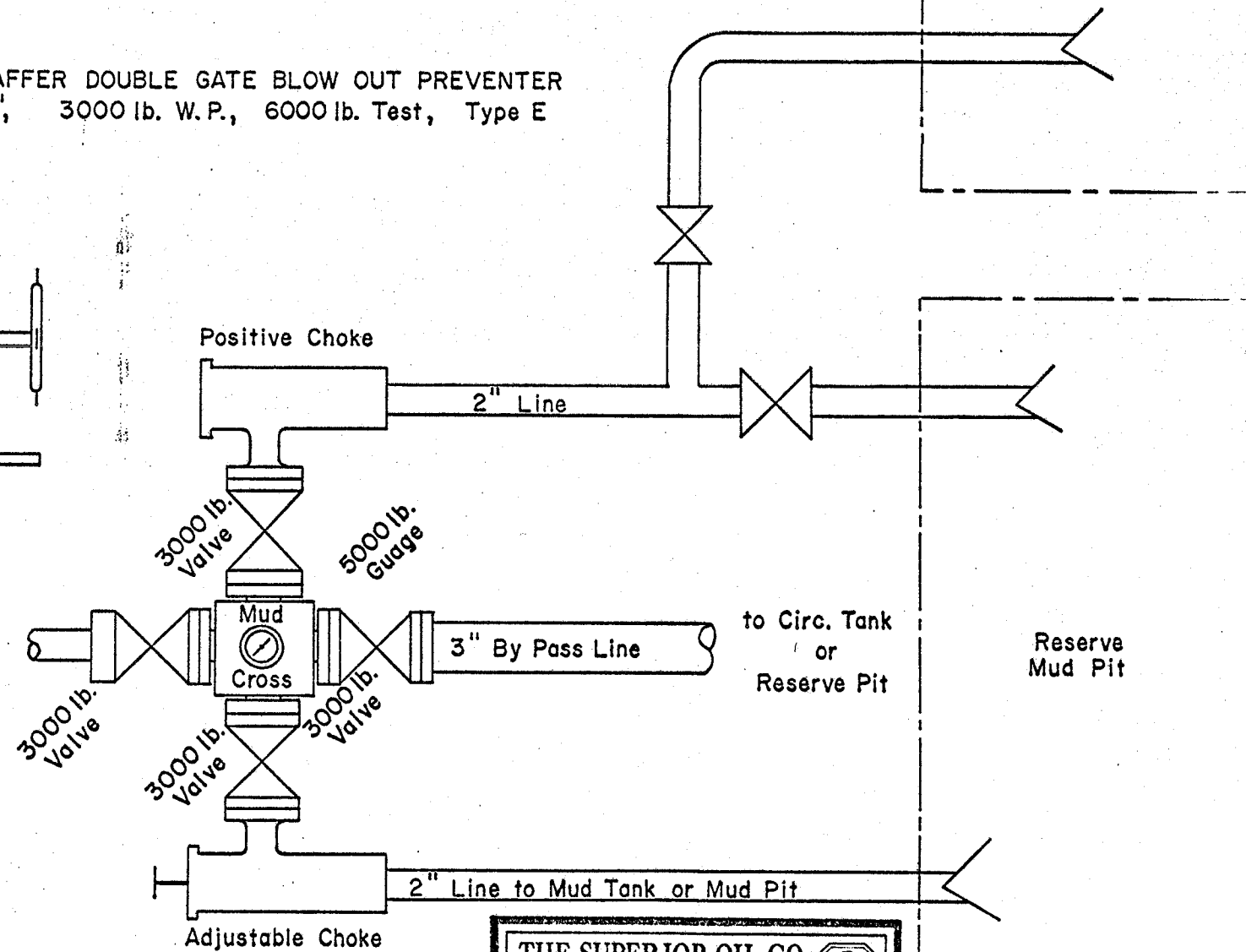
Fredrick Thomas

FREDRIC P THOMAS Bearing by
Reg. L.S. and P.E. Solar
Colo Reg. No. 6728 observation
Utah Reg. No. 4346





SHAFFER DOUBLE GATE BLOW OUT PREVENTER
10", 3000 lb. W.P., 6000 lb. Test, Type E



THE SUPERIOR OIL CO.
CORTEZ-CASPER DISTRICT
ENGINEERING DEPARTMENT

**SCHEMATIC DIAGRAM
OF PRESSURE CONTROL
EQUIPMENT**

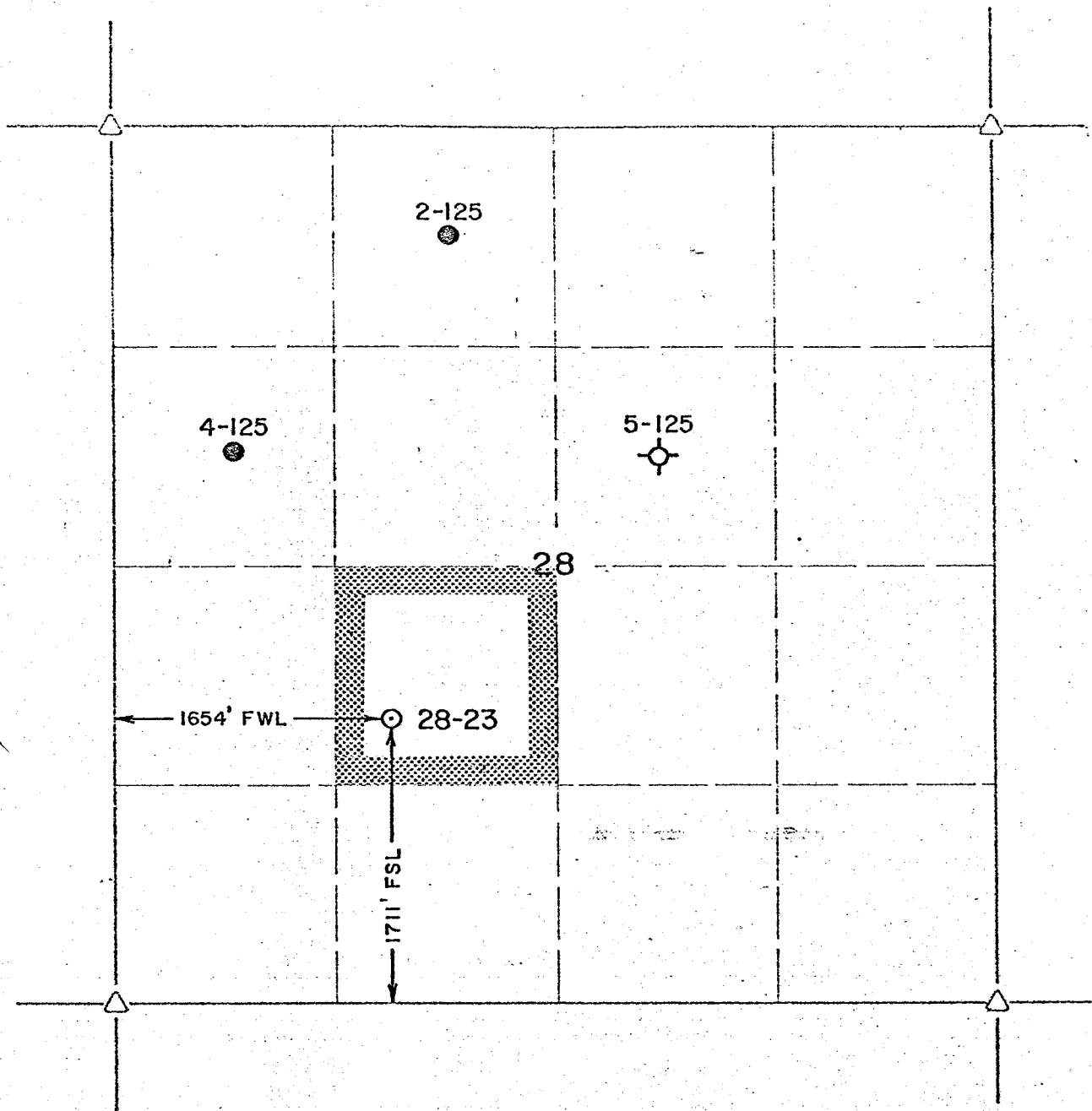
BY JEG
SCALE NONE

DATE 6/25/79
REVISED

THE SUPERIOR OIL COMPANY

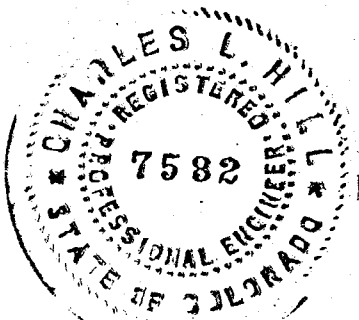
Operator

Well No. S.E.M.C. 28-23



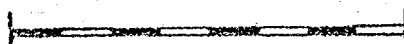
NE/SW SECTION 28, T41 S, R25 E

S. E. McElmo Creek Field

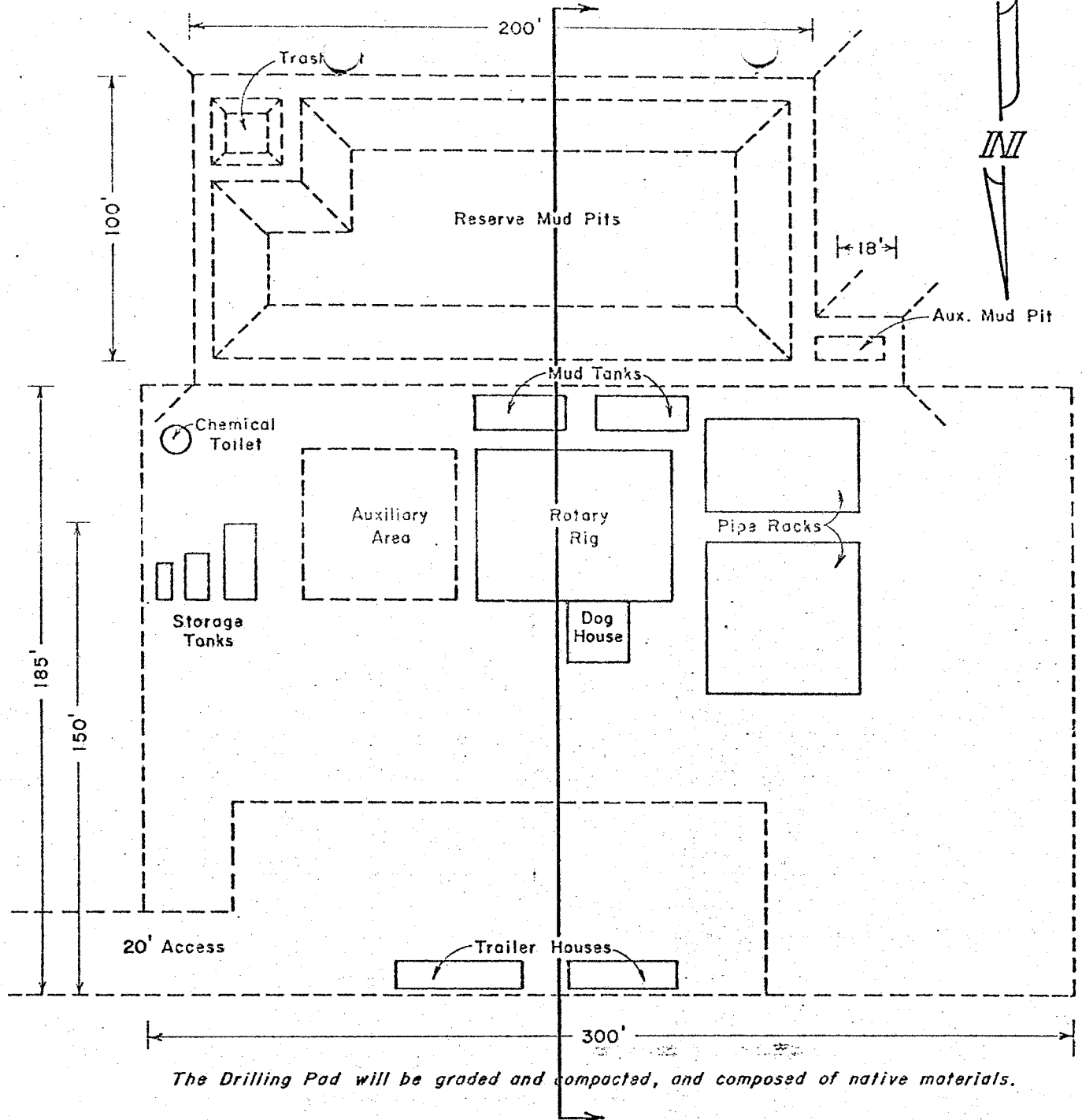


Charles L. Hill

Scale 1" = 1000'



- Location
- Well
- ⊕ Injector

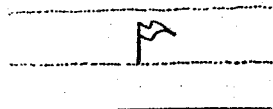


PROPOSED WELL SITE
S.E.M.C. 28-23
Original Elev. 4571.5

Reserve Mud Pits

Cellar

Original Contour
Reference Point
Graded Proposal



THE SUPERIOR OIL CO.
CORTEZ-CASPER DISTRICT
ENGINEERING DEPARTMENT
RIG LAYOUT & DRILL
PAD CROSS SECTION
S.E.M.C. Well No. 28-23
S.E. McELMO CREEK FIELD
BY JEG DATE 6/28/79
SCALE 1" = 50' REVISED



** FILE NOTATIONS **

DATE: October 25, 1979

Operator: The Superior Oil Company

Well No: Southeast McElmo Creek # 28-23

Location: Sec. 28 T. 41S R. 25E County: San Juan

File Prepared: ☒

Entered on N.I.D.: ☒

Card Indexed: ☒

Completion Sheet: ☒

☒ API Number 43-037-30511

CHECKED BY:

Geological Engineer: _____

Petroleum Engineer: _____

Director: OK for Geological & Topographical exception

APPROVAL LETTER: Conditional upon Superior ownership or controlling oil & gas
leases within 660' of well & well supply furnish division
a letter so stating. &

Bond Required: ☐

Survey Plat Required: ☐

Order No. _____

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception/company owns or controls acreage
within a 660' radius of proposed site ☒

2
plus
statement

Lease Designation Ind

Plotted on Map ☒

Approval Letter Written ☒

btm

hl
PI

SCOTT M. MATHESON
Governor



OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

CHARLES R. HENDERSON
Chairman

CLEON B. FEIGHT
Director

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
CONSTANCE K. LUNDBERG
EDWARD T. BECK
E. STEELE McINTYRE

November 1, 1979

The Superior Oil Company
P.O. Drawer "G"
Cortez, Colorado 81321

Re: Well No. Southeast McElmo Creek
#28-23
Sec. 28, T. 41S, R. 25E.,
San Juan County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure. However, this Division requires that a letter be sent to this office stating that The Superior Oil Company owns or controls the acreage within a 660' radius of the proposed well site.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER
Geological Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-30511.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder
Geological Engineer

/b:tm

cc: Phil McGrath
USGS

THE SUPERIOR OIL COMPANY

P. O. DRAWER G
CORTEZ, COLORADO 81321

January 3, 1980

Michael T. Minder
Geological Engineer
Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

Re: Southeast McElmo Creek #28-23
Section 28, T41S, R25E SLM
San Juan County, Utah
1654' FWL, 1711' FSL*

Dear Mr. Minder:

Superior Oil controls all oil and gas mineral rights within a 660' radius of the reference well. Superior Oil is designated as operator of the south half of Section 28, but are currently waiting on written designation by Exxon Company, USA. As soon as this office receives the written designation it will be forwarded on to your office and the U.S.G.S.

Very truly yours,

THE SUPERIOR OIL COMPANY



Wm. H. Edwards
Area Production Superintendent

JRO/sc

cc: U.S.G.S., Farmington

RECEIVED

JAN 7 1980

DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ gas ☐
well well other

2. NAME OF OPERATOR

SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR (ZIP 81321)

P. O. DRAWER 'G', CORTEZ, COLORADO

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1654' FWL, 1761' FSL

AT TOP PROD. INTERVAL: Same as Surface

AT TOTAL DEPTH: Same as Surface

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) REQUEST FOR EXTENSION ☐

5. LEASE

14-20-603-700

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NAVAJO

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

SOUTHEAST McELMO CREEK

9. WELL NO.

#28-23

10. FIELD OR WILDCAT NAME

SOUTHEAST McELMO CREEK FIELD

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

SEC. 28, T41S, R25E

12. COUNTY OR PARISH 13. STATE

SAN JUAN

UTAH

14. API NO.

43-037-30511

15. ELEVATIONS (SHOW DF, KDB, AND WD)

4572' UNGRADED G.L.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

A six month extension is requested for this well to keep the Application for Permit to drill valid.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED

H. W. Haven

TITLE

Prod. Geologist

DATE

12/30/80

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

HWH/nh

Orig. + 3 - USGS, State (2), C. D. Johnson, C. R. Coffey, W. H. Speers, Dick Keelan, W. N. Mosley, Navajo Tribe, Exxon Co. USA, Central File, File

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ gas ☐
well well other

2. NAME OF OPERATOR
SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR
P. O. DRAWER 'G', CORTEZ, COLORADO 81321

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1654' FWL, 1761' FSL
AT TOP PROD. INTERVAL: Same as surface
AT TOTAL DEPTH: Same as surface.

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

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☐

5. LEASE
14-20-603-700

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NAVAJO

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
S. E. McELMO CREEK

9. WELL NO.
#28-23

10. FIELD OR WILDCAT NAME
S. E. McELMO CREEK

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 28, T41S, R25E

12. COUNTY OR PARISH 13. STATE
SAN JUAN UTAH

14. API NO.
43-037-30511

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4571' Ungraded G. L.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1. Spudded 2-6-81. Drilled 18" hole to 82'.
2. Ran 13-3/8", 54.5#, K-55, ST&C conductor casing to 82'. Cemented w/ 6 cu yds ready-mix cement.
3. 2-9-81: Drilled 12-1/4" hole 1398' Ran 42 jts. 8-5/8" csg, 24#, K-55, ST&C w/ Davis float shoe and collar. Cemented w/ 12 bbls mud flush, 600 sx B. J. Lite wt. w/10# Gilsonite w/ .2% of A-2 Lo-dense, 2% CaCl, followed w/200 sx class 'B' neat w/ 2% CaCl. Max pump psi 500# at 6 BPM rate. Final psi 1200#. Had full returns. Mixed and pumped down annulus 125 sx. class 'B' neat w/ 3% CaCl and circ. Good cmt. Hole stayed full. Cut off 13-3/8" & 8-5/8" csg-welded on National 10" X 3000# slip on csg head NSB - National, tested same at 500#. OK. Installed BOP & nipples up. Drilling ahead.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED H. W. Haven TITLE Prod. Geologist DATE Feb. 19, 1981

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

Orig + 5 - USGS, State - 2, Navajo Tribe, Exxon, C. D. Johnson, Reg. Group, Central Hides, H, W, C

*See Instructions on Reverse Side



FILE IN QUADRUPLICATE
FORM OGC-8-X

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: SOUTHEAST McELMO CREEK #28-23

Operator: SUPERIOR OIL COMPANY

Address: P.O. DRAWER 'G', CORTEZ, COLO. 81321

Contractor: BAYLESS DRILLING CO.

Address: 216 S. Hill, Farmington, N. Mex. 87401

Location NE 1/4 SW 1/4; Sec. 28 T. 41 XX R. 25 E; San Juan, Utah County
S W

Water Sands:

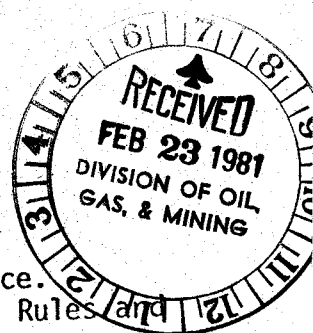
<u>Depth:</u>		<u>Volume:</u>	<u>Quality:</u>
From-	To-	Flow Rate or Head	Fresh or Salty
1. <u>600' - 660'</u>		<u>6" stream</u>	<u>Fresh</u>
2. _____			
3. _____			
4. _____			
5. _____			

(Continue on Reverse Side if Necessary)

Formation Tops: Chinle at 1328'

Remarks:

- NOTE: (a) Upon diminishing supply of forms, please inform this office.
(b) Report on this form as provided for in Rule C-20, General Rules
Regulations and Rules of Practice and Procedure.
(c) If a water analysis has been made of the above reported zone,
please forward a copy along with this form.



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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1. oil ☒ gas ☐
well well other

2. NAME OF OPERATOR
SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR
P.O. DRAWER 'G', CORTEZ, COLORADO 81321

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1654' FWL, 1761 FSL
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) Subsequent Report

☐
☐
☐
☐
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☐
☐
☐
☐

5. LEASE 14-20-603-700
6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME SOUTHEAST McELMO CREEK
9. WELL NO. #28-23
10. FIELD OR WILDCAT NAME SOUTHEAST McELMO CREEK
11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA SEC. 28, T.15S, R.25E
12. COUNTY OR PARISH SAN JUAN
13. STATE UTAH
14. API NO.
15. ELEVATIONS (SHOW DE KDB AND WD) 4571' G

RECEIVED

(NOTE: Report results of multiple completion or zone change on Form 9-330.)
MAR 2 1981

DIVISION OF
OIL, GAS & MINING

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

- 2-19-81: Drilled 7-7/8" hole to 5480' Ran SP-DIL, BHC Son & GR-FDC CNL.
- 2-20-81: Ran 148 jts 5-1/2", 15.5#, K-55 ST&C, Rge 2 & 3, with Davis float shoe and collar. 800 gal mud sweep ahead of 295 sx Class 'B' cement w/ 3/4 of 1% D31 slurry wt. 15.8#, max pump press 1000# at 6 BPM rate. Bump plug w/ fresh wtr w/ 2000#. Held OK. Had full returns while mixing and pumping. Cut off 8-5/8" csg. Installed a National tubing head DP-70 10" X 3000# bottom flange & 6" X 3000#, tested same w/ National man to 700#. OK. Nippled up 10" X 5000# Shaffer LWS BOP.
- 2-21-81: Ran Cement Bond log, Variable Density, GR, Csg Collar Log. Excellent bonding.
- 2-23-81: Perforated Desert Creek from 5360' - 5408' w/ 2 Jet shots/ft.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED H. W. HAVEN TITLE Prod. Geologist DATE 2-27-81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

Orig + 5 - USGS, State - 2, Navajo Tribe, Exxon, C. D. Johnson, Reg. Group - H.W.C
Central Files - H,W,C

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to mine, to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐

2. NAME OF OPERATOR
SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR
P.O. DRAWER G, CORTEZ, COLO. 81321

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1654' FWL, 1761' FSL
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

(other) Temporarily Abandoned

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☒

5. LEASE
14-20-603-700

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NAVAJO

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
SOUTHEAST McELMO CREEK

9. WELL NO.
#28-23

10. FIELD OR WILDCAT NAME
SOUTHEAST McELMO CREEK

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 28, T41S, R25E

12. COUNTY OR PARISH
SAN JUAN

13. STATE
UTAH

14. API NO.
43-037-30511

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4571' ungraded G.L.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1. 2-24-81: Acidized perf 5360' to 5408' w/ 190 bbls. acid at 5 BPM rate at 3300 Psi. All had 600 Scf/bbl N₂. Flowed back N₂ and no fluid. Pumped 96 bbls KCL wtr. into formation at 225 Psi at 4 BPM. Well on vac.
2. 2-26-81: Ran BHP 43 psi. Set RBP at 5346' & tested to 500 PSI. OK. Ran GR-CCL log 5331 to 5180'. Perf 5322'-5342' w/ 2 JSPF. Acidized Perfs w/ 4000 gals. 28% MSR 100 w/500 SCF/ bbl N₂, at 5 BPm, MP 3500 PSI, FP 1200 PSI, ISIP 600 PSI, 15 min, SIP 200 PSI. Jetted Tbg. w/N₂ on btm. No fluid Rec.
3. 3-4-81: RIH w/ Tbg. & Tbg anchor catcher. Set anchor @ 5281'. ND BOP, NU flange & landed tbg. w/ 10,000# tension. Shut well in. T.A. Cleaned location.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED H.W. Haven TITLE PRODUCTION GEOLOGIST DATE 7-23-81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

Orig + 5 - USGS, State - 2, Navajo Tribe, Exxon C. D. Johnson, Reg. Group - H,W,C, Central Files - H, W, C.

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Confidential

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ gas ☐
well ☒ well ☐ other

2. NAME OF OPERATOR

SUPERIOR OIL

3. ADDRESS OF OPERATOR

P.O. DRAWER G, Cortez, CO 81321

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1645' FWL, 1761' FSL

AT TOP PROD. INTERVAL: Same

AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☒
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) _____

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☐
☐
☐

5. LEASE
14-20-603-700

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NAVAJO

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
SOUTHEAST McELMO CREEK

9. WELL NO.
#28-23

10. FIELD OR WILDCAT NAME
SOUTHEAST McELMO CREEK

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 28, T41S, R25E

12. COUNTY OR PARISH
SAN JUAN

13. STATE
UTAH

14. API NO.
43-037-30511

15. ELEVATIONS (SHOW DF, KDB, AND WD)
KB - 4585.6 GL- 4571'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1. Circulate Hole clean. Run GR/DDC/CBL/VDL. Perforate DC II Zone 5360-5408' w/ 2 jspf. Acidize Zone w/8000 gals at 3-5 BPM. Test and evaluate.

2. Isolate 5360-5408' interval. Perforate 5322-5342' w/ 2 jspf. Acidize w/ 4000 gals at 305 BPM. Test and evaluate.

3. RIH w/ Production Equipment.

Subsurface Safety Valve: Manu. and Type _____

18. I hereby certify that the foregoing is true and correct

SIGNED D. I. Blanscet TITLE SR. PRODUCTION ENGINEER 8/4/81

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____ DATE _____

Orig + 5 - USGS, State - 2, Navajo Tribe, Reg. Group, Central Files - H, W, C

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/>				5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-700		
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <input type="checkbox"/>				6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO		
2. NAME OF OPERATOR SUPERIOR OIL				7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR P.O. DRAWER G, Cortez, CO 81321				8. FARM OR LEASE NAME SOUTHEAST McELMO CREEK		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1654' FWL, 1761' FSL At top prod. interval reported below Same At total depth Same				9. WELL NO. #28-23		
14. PERMIT NO. 43--37-30511				DATE ISSUED 11-1-79		
15. DATE SPUDDED 2-6-81		16. DATE T.D. REACHED 2-19-81		10. FIELD AND POOL, OR WILDCAT SOUTHEAST McELMO CREEK		
17. DATE COMPL. (Ready to prod.) 3-4-81		18. ELEVATIONS (DF, REB, RT, GR, ETC.)* KB-4585.6 GL-4571		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SEC. 28, T41S, R25E		
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 5480'		12. COUNTY OR PARISH SAN JUAN		
21. PLUG, BACK T.D., MD & TVD 5435'		22. IF MULTIPLE COMPL., HOW MANY*		13. STATE UTAH		
23. INTERVALS DRILLED BY A11		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Desert Creek I 5306-5358' Desert Creek II 5358-5416'		25. WAS DIRECTIONAL SURVEY MADE NO		
26. TYPE ELECTRIC AND OTHER LOGS RUN CNL/FDC, DIL/SFL, BHC, GR/CCL/CBL/VDL		27. WAS WELL CORED NO				
28. CASING RECORD (Report all strings set in well)						
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		
13-3/8"		48#		100'		
8-5/8"		24#		1400'		
5-1/2"		14 & 15.5#		5480'		
HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED		
18"		Redimix to Surface		None		
12-1/4"		800 sxs Class 'B'		None		
7-7/8"		295 sxs. Class 'B'		None		
29. LINER RECORD						
SIZE		TOP (MD)		BOTTOM (MD)		
SACKS CEMENT*		SCREEN (MD)				
30. TUBING RECORD						
SIZE		DEPTH SET (MD)		PACKER SET (MD)		
2-7/8"		5421'				
31. PERFORATION RECORD (Interval, size and number)						
5360-5408' at 2 jsfp 5322-5342 at 2 jsfp						
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.						
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED				
5360-5408'		Acidized w/8000 gals.				
5322-5342'		Acidized w/4000 gals.				
33.* PRODUCTION						
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)			WELL STATUS (Producing or shut-in)	
No Fluid Entry					SHUT-IN	
DATE OF TEST		HOURS TESTED		CHOKE SIZE		
PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.		
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		
OIL—BBL.		GAS—MCF.		WATER—BBL.		
OIL GRAVITY-API (CORR.)						
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						
TEST WITNESSED BY						
35. LIST OF ATTACHMENTS						
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records						
SIGNED		TITLE		DATE		
D.I. BLANSCEY		SR. PRODUCTION ENGINEER		AUG. 4, 1981		

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers', geologists', sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORDED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
LOWER ISMAY	5253'	5284'	Limestone, Dolomite
DESERT CREEK	5306'	5420'	Limestone, Dolomite

38.

GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
* Chinle	2022'		
Dechelly	2370'		
Organ Rock Shale	2604'		
Hermosa	4311'		
Upper Ismay	5143'		
Lower Ismay	5253'		
Gothic Shale	5386'		
Desert Creek	5306'		
Chimney Rock Shale	5450'		
* Surface Casing set to 1400'			

RECEIVED

AUG 31 1981

DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ gas ☐
well well other

2. NAME OF OPERATOR
SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR
P.O. DRAWER 'G', CORTEZ, COLO. 81321

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1654' FWL, 1761' FSL
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) <u>Temporarily Abandon</u>		

5. LEASE
14-20-603-700

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NAVAJO

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
SOUTHEAST McELMO CREEK

9. WELL NO.
#28-23

10. FIELD OR WILDCAT NAME
SOUTHEAST McELMO CREEK

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 28, T41S, R25E

12. COUNTY OR PARISH
SAN JUAN

13. STATE
UTAH

14. API NO.
43-037-30511

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4571' Ungraded G. L.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

PROPOSED WORK

1. POH w/ tubing and tubing anchor.
2. Set CIBP at 5270'±.
3. Dump 20 sx cement on top CIBP to temporarily abandon pending further evaluation.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED D. I. BLANSCEY TITLE SR. PROD. ENGINEER DATE 9-22-81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

Orig + 5 - USGS, State - 2, Navajo Tribe, Reg. Group, Central Files - H, W, C



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

January 18, 1982

Superior Oil
P. O. Drawer "G"
Cortez, Colorado 81321

Re: Well No. Southeast McElmo Creek #28-23
Sec. 28, T. 41S, R. 25E
San Juan County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office August 4, 1981, from above referred to well, indicates the following electric logs were run: CNL/FDC, DIL/SFL, BHC, GR/CCL/CBL/VDL. As of todays date, this office has not received these logs.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a welll log shall be filed with the Commission together with a copy of the elctric and radioactivity logs.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other

2. NAME OF OPERATOR
SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR
P.O. DRAWER "G", CORTEZ, CO 81321

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1654' FWL, 1761' FSL
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) Extension of Temporary Abandonment	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

SUPERIOR OIL COMPANY requests that the subject well remain temporarily abandoned pending further evaluation as a possible intersection well.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

RECEIVED
DEC 6 1982

DIVISION OF
OIL GAS & MINING

Orig + 5, State - 2, Navajo Tribe, Regulatory Group, Joint Interest, Files, H, D, C.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED JAMES S. ANDRES TITLE PETROLEUM ENGINEER DATE 12-02-82

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING
ROOM 4241 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
(801) 533-5771
(RULE I-5 & RULE I-4)

FORM NO. DOGM-UIC-1
(Revised 1982)

IN THE MATTER OF THE APPLICATION OF

Superior Oil Company

ADDRESS P.O. Drawer 'G'
Cortez, Colorado ZIP 81321

INDIVIDUAL ☐ PARTNERSHIP ☐ CORPORATION ☐

FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
INJECT FLUID INTO THE S.E. McElmo #28-23 WELL

SEC. 28 TWP. 41S RANGE 25E
San Juan COUNTY, UTAH

CAUSE NO. UIC-018

ENHANCED RECOVERY INJ. WELL ☒
DISPOSAL WELL ☐
LP GAS STORAGE ☐
EXISTING WELL (RULE I-4) ☐

APPLICATION

Comes now the applicant and shows the Corporation Commission the following:

1. That Rule I-5 (g) (iv) authorizes administrative approval of enhanced recovery injections, disposal or LP Gas storage operations.
2. That the applicant submits the following information.

Lease Name <u>Southeast McElmo</u>	Well No. <u>#28-23</u>	Field <u>S.E. McElmo</u>	County <u>San Juan Co. Utah</u>
Location of Enhanced Recovery <u>1654' FWL, 1761' FSL</u> <u>28</u> Sec. <u>41S</u> Twp. <u>25E</u> Rge.			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Casing Test Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Date <u>2-21-81</u>	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>1328'</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		State What <u>Oil & Gas</u>
Location of Injection Source(s) <u>Fresh Water wells near San Juan River</u>	Geologic Name(s) <u>Alluvium</u> and Depth of Source(s) (Depth: <u>30'</u>)		
Geologic Name of Injection Zone <u>Ismay & Desert Creek</u>	Depth of Injection Interval <u>5322'</u> to <u>5408'</u>		
a. Top of the Perforated Interval: <u>5322'</u>	b. Base of Fresh Water: <u>1328'</u>	c. Intervening Thickness (a minus b) <u>3994'</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			
Lithology of Intervening Zones <u>See item 4 (II) on attachment: I</u>			
Injection Rates and Pressures Maximum <u>NA</u> B/D PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent.			

State of COLORADO
County of MONTEZUMA

T. Greg Merrion
Applicant

Before me, the undersigned authority, on this day personally appeared T. Greg Merrion
known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on
oath states, that he is duly authorized to make the above report and that he has knowledge of the facts stated
therein, and that said report is true and correct.

Suscribed and sworn to before me this 11th day of Jan., 19 83

SEAL

My commission expires 5-2-86

T. Greg Merrion
Notary Public in and for County of Montezuma
State of Colorado

(OVER)

(To be filed within 30 days after drilling is completed)

14-20-603-700

COMPLETION & TEST DATA BY PRODUCING FORMATION

DEPARTMENT OF NATURAL RESOURCES AND ENERGY

COUNTY
LEASE NO.

API NO. 43-037-30511

640 Acres
N

DIVISION OF OIL, GAS, AND MINING
Room 4241 State Office Building
Salt Lake City, Utah 84114

COUNTY San Juan SEC. 28 TWP. 41S RGE. 25E

COMPANY OPERATING Superior Oil

OFFICE ADDRESS P.O. Drawer 'G'

TOWN Cortez STATE ZIP Co. 81321

FARM NAME S.E. McElmo WELL NO. #28-23

DRILLING STARTED 2-6 19 81 DRILLING FINISHED 2-19 19 81

DATE OF FIRST PRODUCTION N/A COMPLETED

WELL LOCATED SW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$

FT. FROM SL OF $\frac{1}{4}$ SEC. & FT. FROM WL OF $\frac{1}{4}$ SEC.

ELEVATION DERRICK FLOOR 4584.6 GROUND 4571

TYPE COMPLETION

Single Zone X

Multiple Zone

Comingled

LOCATION EXCEPTION

OIL OR GAS ZONES

Name	From	To	Name	From	To

CASING & CEMENT

Casing Set				Csg. Test	Cement		
Size	Wgt.	Grade	Feet	Psi	Sax	Fillup	Top
13-3/8"	48#	H-40	82'				Surface
8-5/8"	24#	K-55	1398'	1200	925		Surface
5-1/2"	14&15.5#	K-55	5480'	1000	295		4580'

TOTAL DEPTH 5480'

PACKERS SET
DEPTH N/A

NOTE: THIS FORM MUST ALSO BE ATTACHED WHEN FILING PLUGGING FORM DOGM-UIC-6

FORMATION	Desert Creek II	Desert Creek I
SPACING & SPACING ORDER NO.		
CLASSIFICATION (DISPOSAL WELL, ENHANCED RECOVERY, LP GAS STORAGE)		
PERFORATED	5360-5408'	5322-42'
INTERVALS		
ACIDIZED?	8000 gals 28% HCL	4000 gals 28% HCL
FRACTURE TREATED?		

INITIAL TEST DATA

Date	N/A		
Oil, bbl./day			
Oil Gravity			
Gas, Cu. Ft./day	CF	CF	CF
Gas-Oil Ratio Cu. Ft./Bbl.			
Water-Bbl./day			
Pumping or Flowing			
CHOKE SIZE			
FLOW TUBING PRESSURE			

A record of the formations drilled through, and pertinent remarks are presented on the reverse.
(use reverse side)

I, the undersigned, being first duly sworn upon oath, state that this well record is true, correct and complete according to the records of this office and to the best of my knowledge and belief.

Telephone (303) 565-3733 T.G. Merriam, Production Engineer

Name and title of representative of company

Subscribed and sworn before me this 11th day of Jan., 19 83

State of Colorado
County of Montezuma

My commission expires 5-2-86

Leslie B. Dugman

ATTACHMENT I

RULE I-5: Application for Approval of Class II Injection Wells

(a) Attached is Form DOGM-UIC-1.

(b) (1) See attached Land Plat.

(2) Attached is Form DOGM-UIC-2.

(3) See attached wellbore sketch.

(4)

i. The intervening thickness is almost 4000' between the proposed injection interval and the deepest fresh water sand. Furthermore, all fresh water sands are behind 8-5/8" surface casing. The 8-5/8" - 5-1/2" annulus pressure will be monitored to insure no behind pipe communication occurs.

ii. Maximum Estimated Surface Pressure: 2500 psig.
Maximum Estimated Rate: 1000 BWPD.

<u>FORMATION</u>	<u>DEPTH</u>	<u>LITHOLOGY</u>
Chinle	1328'	Shale
8-5/8" Surface Casing	1398'	
DeChelly	2370'	Sandstone
Organ Rock	2604'	Shale
Hermosa	4311'	Limestone
Upper Ismay	5143'	Limestone
Lower Ismay	5253'	Limestone
Gothic	5386'	Shale
Desert Creek	5406'	Limestone
Chimney Rock	5450'	Shale

(5)

(i) A throttling valve will be installed on the wellhead to control injection rates and pressures.

(ii) The source of injection water will be Superior's fresh water wells located in Section 7, T41S, R25E near the San Juan River. These wells produce from the surface alluvium and average 30' total depth.

(iii) The analysis of injection water is as follows:

PH: 7.1

CL: 600 ppm

TDS: 1200 ppm

(5) Cont.

(iv) The proposed injection zone is the Desert Creek. The Desert Creek is a carbonate formation consisting of limestone, anhydrite & dolomite and extends throughout the Paradox Basin.

(v) All fresh water zones are behind surface casing.

(vi) The analysis of formation water (Desert Creek) is as follows:

PH: 6.6

CL: 74,000 ppm

TDS: 105,000 ppm

(6) If the proposed injection well must be shut-in, the fresh water wells can also be shut in.

(7) N/A.

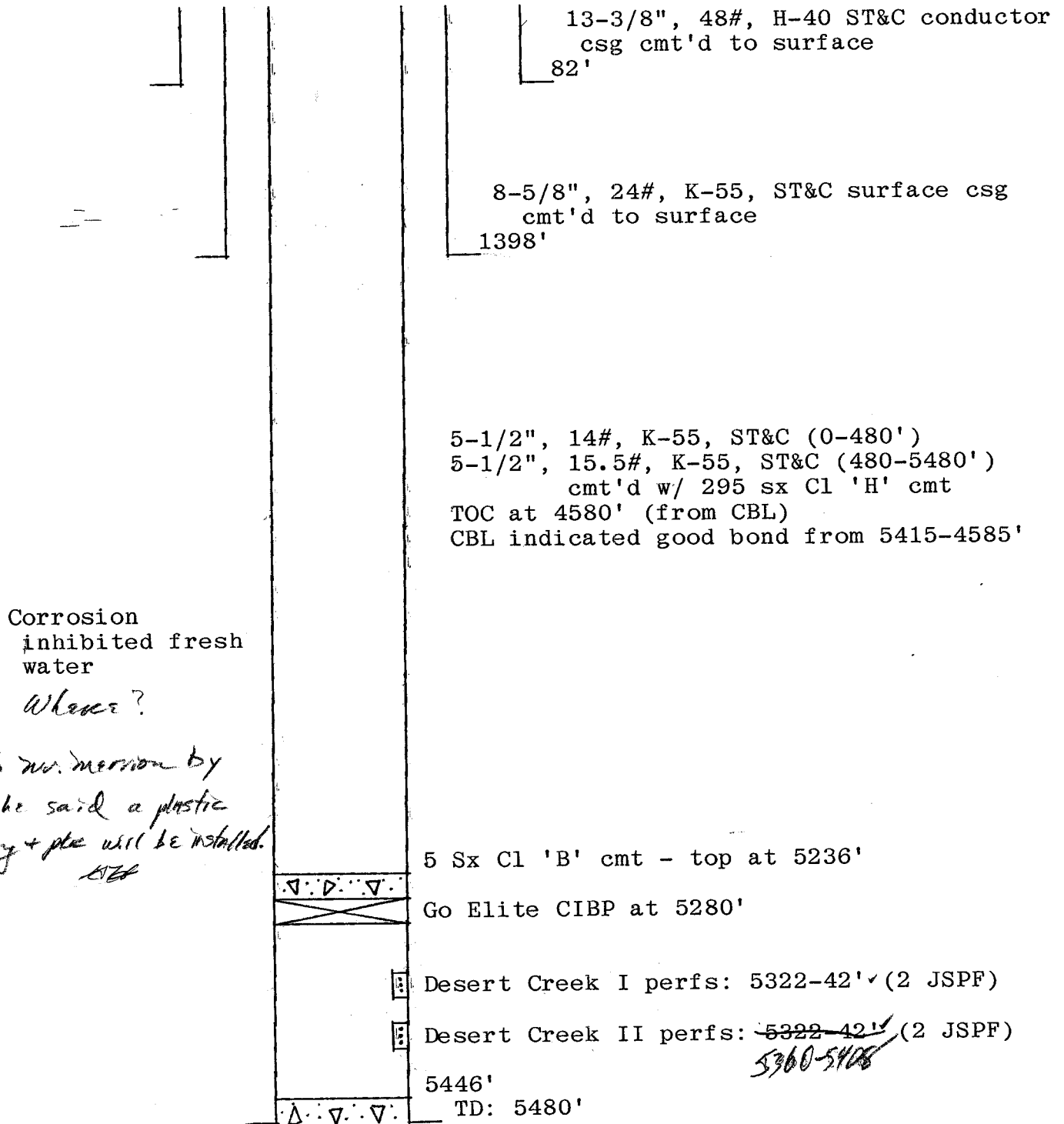
(8) The Division will be notified of the date and time to monitor the mechanical integrity test.

(9) There are no defective wells in this area.

(10) N/A.

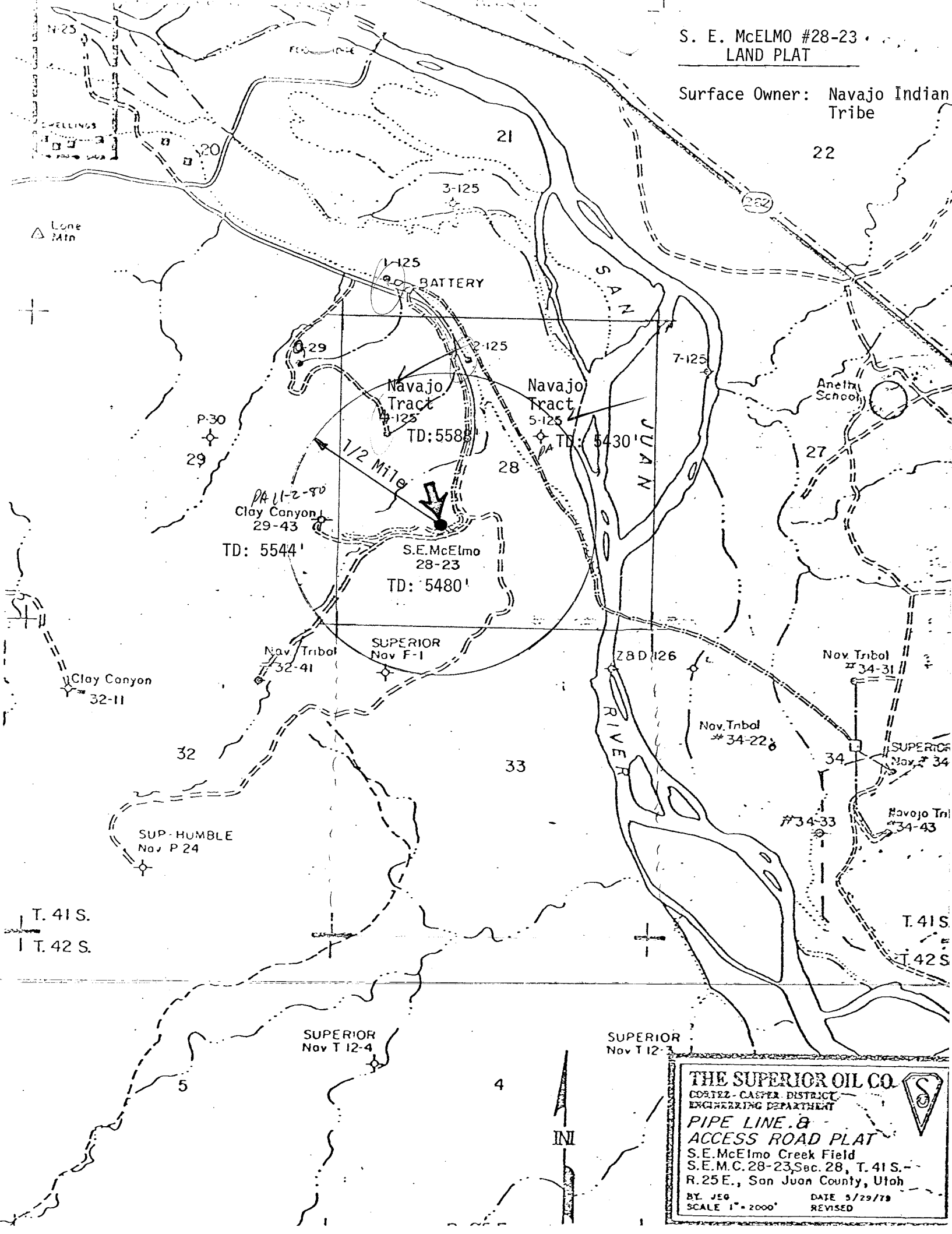
S.E. McELMO #28-23
S.E. McELMO FIELD
SAN JUAN COUNTY, UTAH

PRESENT WELLBORE SKETCH



S. E. McELMO #28-23
LAND PLAT

Surface Owner: Navajo Indian
Tribe



THE SUPERIOR OIL CO.

CORTEZ - CANYON DISTRICT
ENGINEERING DEPARTMENT

PIPE LINE &
ACCESS ROAD PLAT

S.E. McElmo Creek Field
S.E.M.C. 28-23, Sec. 28, T. 41 S.,
R. 25 E., San Juan County, Utah

BY: JEG DATE 5/29/79
SCALE 1" = 2000' REVISED

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING
ROOM 4241 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
(801) 533-5771
(RULE I-5 & RULE I-4)

FORM NO. DOGM-UIC-1
(Revised 1982)

IN THE MATTER OF THE APPLICATION OF

Superior Oil Company
ADDRESS P.O. Drawer 'G'
Cortez, Colorado ZIP 81321
INDIVIDUAL PARTNERSHIP CORPORATION
FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
INJECT FLUID INTO THE S.E. McElmo #28-23 WELL
SEC. 28 TWP. 41S RANGE 25E
San Juan COUNTY, UTAH

CAUSE NO.

ENHANCED RECOVERY INJ. WELL	<input checked="" type="checkbox"/>
DISPOSAL WELL	<input type="checkbox"/>
LP GAS STORAGE	<input type="checkbox"/>
EXISTING WELL (RULE I-4)	<input type="checkbox"/>

APPLICATION

Comes now the applicant and shows the Corporation Commission the following:

1. That Rule I-5 (g) (iv) authorizes administrative approval of enhanced recovery injections, disposal or LP Gas storage operations.
2. That the applicant submits the following information.

Lease Name <u>Southeast McElmo</u>	Well No. <u>#28-23</u>	Field <u>S.E. McElmo</u>	County <u>San Juan Co. Utah</u>
Location of Enhanced Recovery <u>1654' FWL, 1761' FSL</u> Sec. <u>28</u> Twp. <u>41S</u> Rge. <u>25E</u>			
Injection or Disposal Well <u> </u>			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Casing Test Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Date <u>2-21-81</u>	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>1328'</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		State What <u>Oil & Gas</u>
Location of Injection Source(s) <u>Fresh Water wells near San Juan River</u>		Geologic Name(s) and Depth of Source(s) (Depth: <u>30'</u>) <u>Alluvium</u>	
Geologic Name of Injection Zone <u>Ismay & Desert Creek</u>		Depth of Injection Interval <u>5322'</u> to <u>5408'</u>	
a. Top of the Perforated Interval: <u>5322'</u>	b. Base of Fresh Water: <u>1328'</u>	c. Intervening Thickness (a minus b) <u>3994'</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES <input checked="" type="checkbox"/> XXX			
Lithology of Intervening Zones <u>See item 4 (II) on attachment: I</u>			
Injection Rates and Pressures Maximum <u>NA</u> B/D <u> </u> PSI <u> </u>			
The Names and Addresses of Those to Whom Notice of Application Should be Sent: <u> </u> <u> </u> <u> </u> <u> </u>			

State of COLORADO
County of MONTEZUMA

T. Greg Merriion
Applicant

Before me, the undersigned authority, on this day personally appeared T. Greg Merriion
known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on
oath states, that he is duly authorized to make the above report and that he has knowledge of the facts stated
therein, and that said report is true and correct.

Suscribed and sworn to before me this 11th day of Jan., 19 83

SEAL

My commission expires 5-2-86

T. Greg Merriion
Notary Public in and for County of Montezuma
State of Colorado

(OVER)

(To be filed within 30 days after drilling is completed)

14-20-603-700

PLEASE TYPE OR USE BLACK INK ONLY

COMPLETION & TEST DATA BY PRODUCING FORMATION

DEPARTMENT OF NATURAL RESOURCES AND ENERGY

API NO. 43-037-30511

DIVISION OF OIL, GAS, AND MINING
Room 4241 State Office Building
Salt Lake City, Utah 84114COUNTY San Juan SEC. 28 TWP. 41S RGE. 25ECOMPANY OPERATING Superior OilOFFICE ADDRESS P.O. Drawer 'G'TOWN Cortez STATE Co. ZIP 81321FARM NAME S.E. McElmo WELL NO. #28-23DRILLING STARTED 2-6 19 81 DRILLING FINISHED 2-19 19 81DATE OF FIRST PRODUCTION N/A COMPLETED _____WELL LOCATED SW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ _____ FT. FROM SL OF $\frac{1}{4}$ SEC. & _____ FT. FROM WL OF $\frac{1}{4}$ SEC.ELEVATION DERRICK FLOOR 4584.6 GROUND 4571

TYPE COMPLETION

Single Zone X

Multiple Zone _____

Comingled _____

LOCATION EXCEPTION

OIL OR GAS ZONES

Name	From	To	Name	From	To

CASING & CEMENT

Casing Set				Csg. Test	Cement		
Size	Wgt.	Grade	Feet	Psi	Sax	Fillup	Top
13-3/8"	48#	H-40	82'				Surface
8-5/8"	24#	K-55	1398'	1200	925		Surface
5-1/2"	14&15.5#	K-55	5480'	1000	295		4580'

TOTAL DEPTH 5480'PACKERS SET
DEPTH N/A

NOTE: THIS FORM MUST ALSO BE ATTACHED WHEN FILING PLUGGING FORM DOGM-UIC-4

FORMATION	Desert Creek II	Desert Creek I
SPACING & SPACING ORDER NO.		
CLASSIFICATION (DISPOSAL WELL, ENHANCED RECOVERY, LP GAS STORAGE)		
PERFORATED	5360-5408'	5322-42'
INTERVALS		
ACIDIZED?	8000 gals 28% HCL	4000 gals 28% HCL
FRACTURE TREATED?		

INITIAL TEST DATA

Date	N/A		
Oil, bbl./day			
Oil Gravity			
Gas, Cu. Ft./day	CF	CF	CF
Gas-Oil Ratio Cu. Ft./Bbl.			
Water-Bbl./day			
Pumping or Flowing			
CHOKE SIZE			
FLOW TUBING PRESSURE			

A record of the formations drilled through, and pertinent remarks are presented on the reverse.
(use reverse side)

I, the undersigned, being first duly sworn upon oath, state that this well record is true, correct and complete according to the records of this office and to the best of my knowledge and belief.

Telephone (303) 565-3733 T.G. Merriam, Production Engineer

Name and title of representative of company

Subscribed and sworn before me this 11th day of Jan., 19 83

State of Colorado

County of Montezuma

My commission expires 5-2-86

ATTACHMENT I

RULE I-5: Application for Approval of Class II Injection Wells

(a) Attached is Form DOGM-UIC-1.

- (b) (1) See attached Land Plat.
(2) Attached is Form DOGM-UIC-2.
(3) See attached wellbore sketch.
(4)

i. The intervening thickness is almost 4000' between the proposed injection interval and the deepest fresh water sand. Furthermore, all fresh water sands are behind 8-5/8" surface casing. The 8-5/8" - 5-1/2" annulus pressure will be monitored to insure no behind pipe communication occurs.

ii. Maximum Estimated Surface Pressure: 2500 psig.
Maximum Estimated Rate: 1000 BWPD.

<u>FORMATION</u>	<u>DEPTH</u>	<u>LITHOLOGY</u>
Chinle	1328'	Shale
8-5/8" Surface Casing	1398'	
DeChelly	2370'	Sandstone
Organ Rock	2604'	Shale
Hermosa	4311'	Limestone
Upper Ismay	5143'	Limestone
Lower Ismay	5253'	Limestone
Gothic	5386'	Shale
Desert Creek	5406'	Limestone
Chimney Rock	5450'	Shale

(5)

(i) A throttling valve will be installed on the wellhead to control injection rates and pressures.

(ii) The source of injection water will be Superior's fresh water wells located in Section 7, T41S, R25E near the San Juan River. These wells produce from the surface alluvium and average 30' total depth.

(iii) The analysis of injection water is as follows:

PH: 7.1
CL: 600 ppm
TDS: 1200 ppm

(5) Cont.

(iv) The proposed injection zone is the Desert Creek. The Desert Creek is a carbonate formation consisting of limestone, anhydrite & dolomite and extends throughout the Paradox Basin.

(v) All fresh water zones are behind surface casing.

(vi) The analysis of formation water (Desert Creek) is as follows:

PH: 6.6

CL: 74,000 ppm

TDS: 105,000 ppm

(6) If the proposed injection well must be shut-in, the fresh water wells can also be shut in.

(7) N/A.

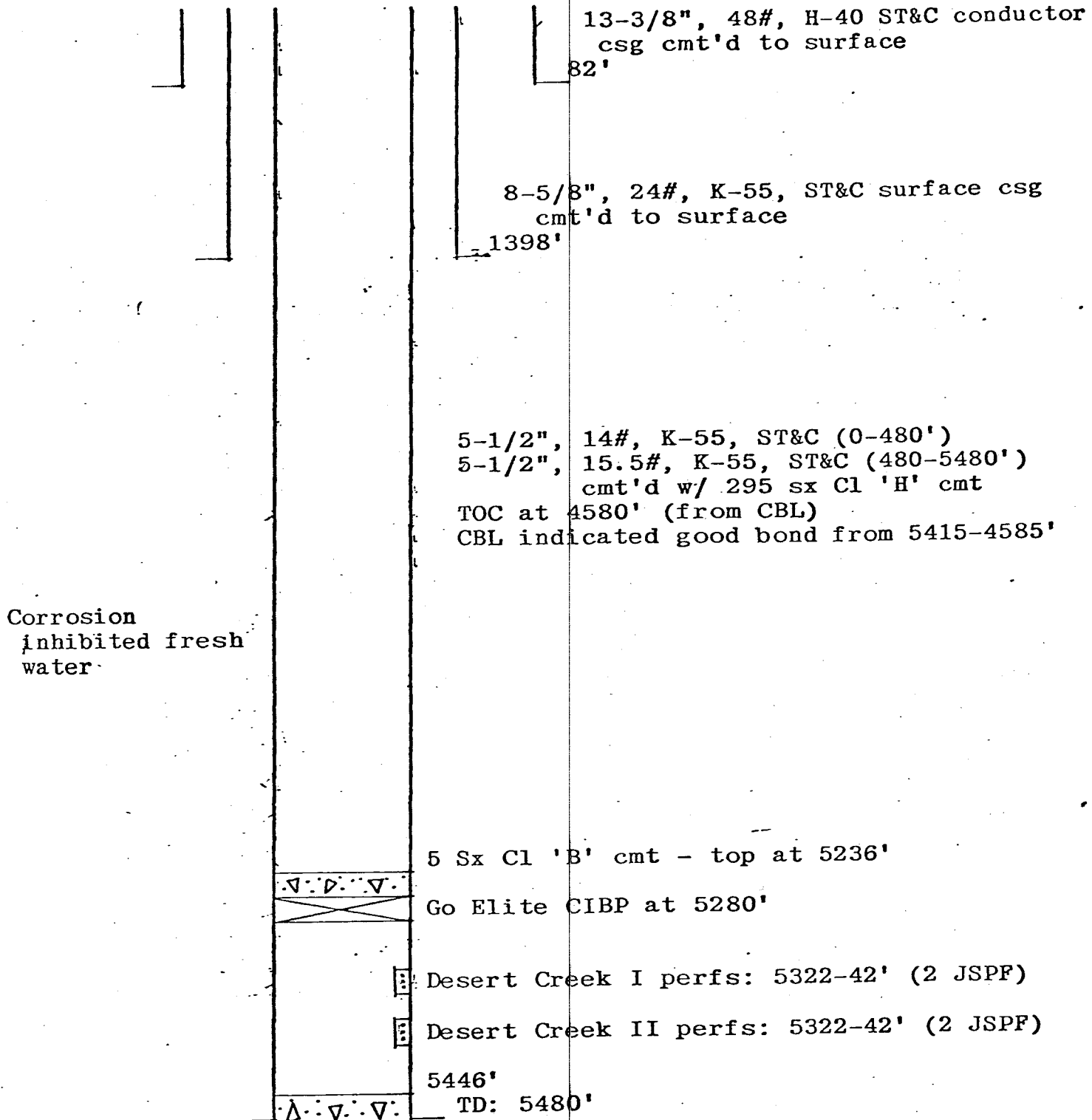
(8) The Division will be notified of the date and time to monitor the mechanical integrity test.

(9) There are no defective wells in this area.

(10) N/A.

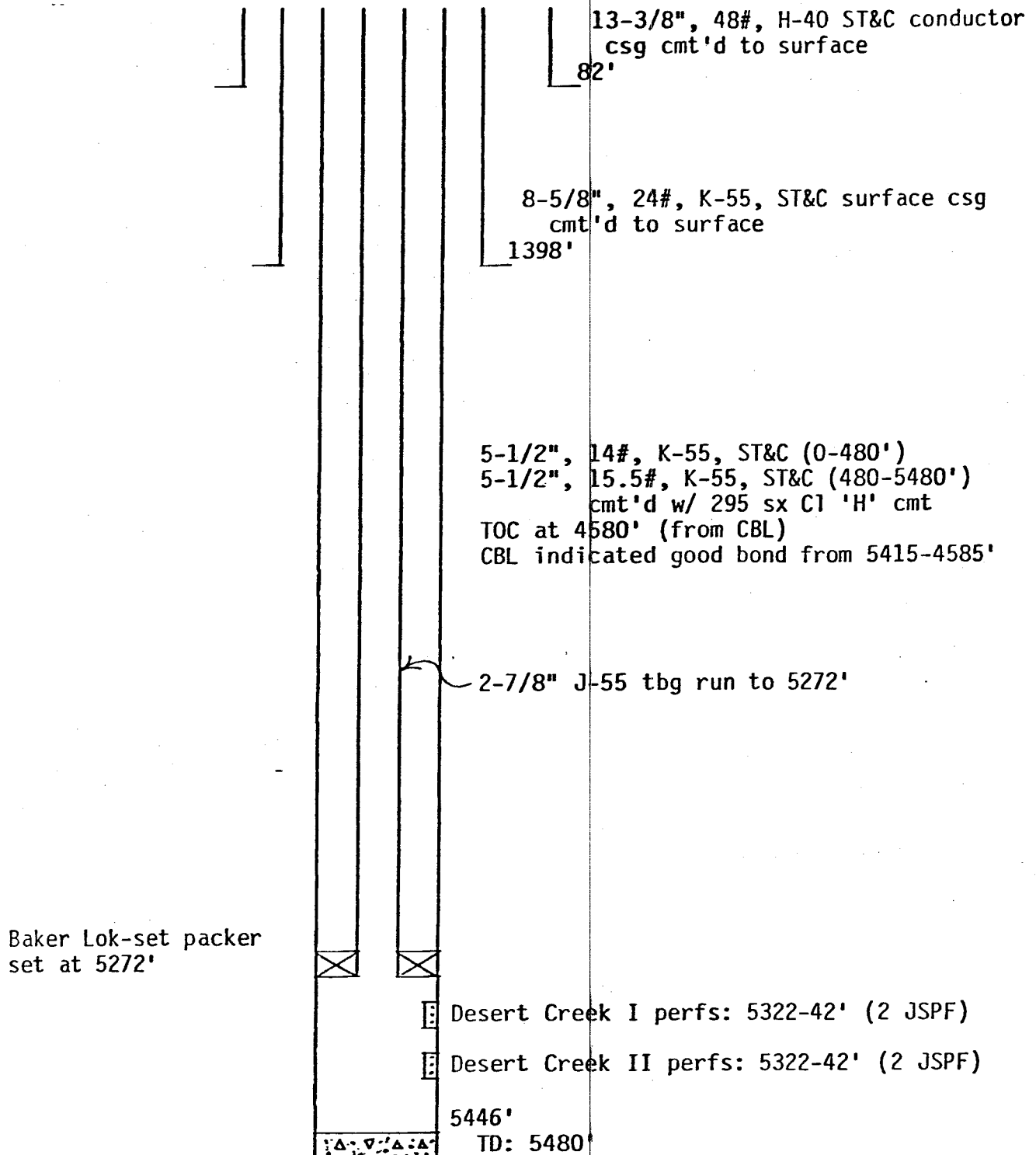
S.E. McELMO #28-23
S.E. McELMO FIELD
SAN JUAN COUNTY, UTAH

PRESENT WELLBORE SKETCH



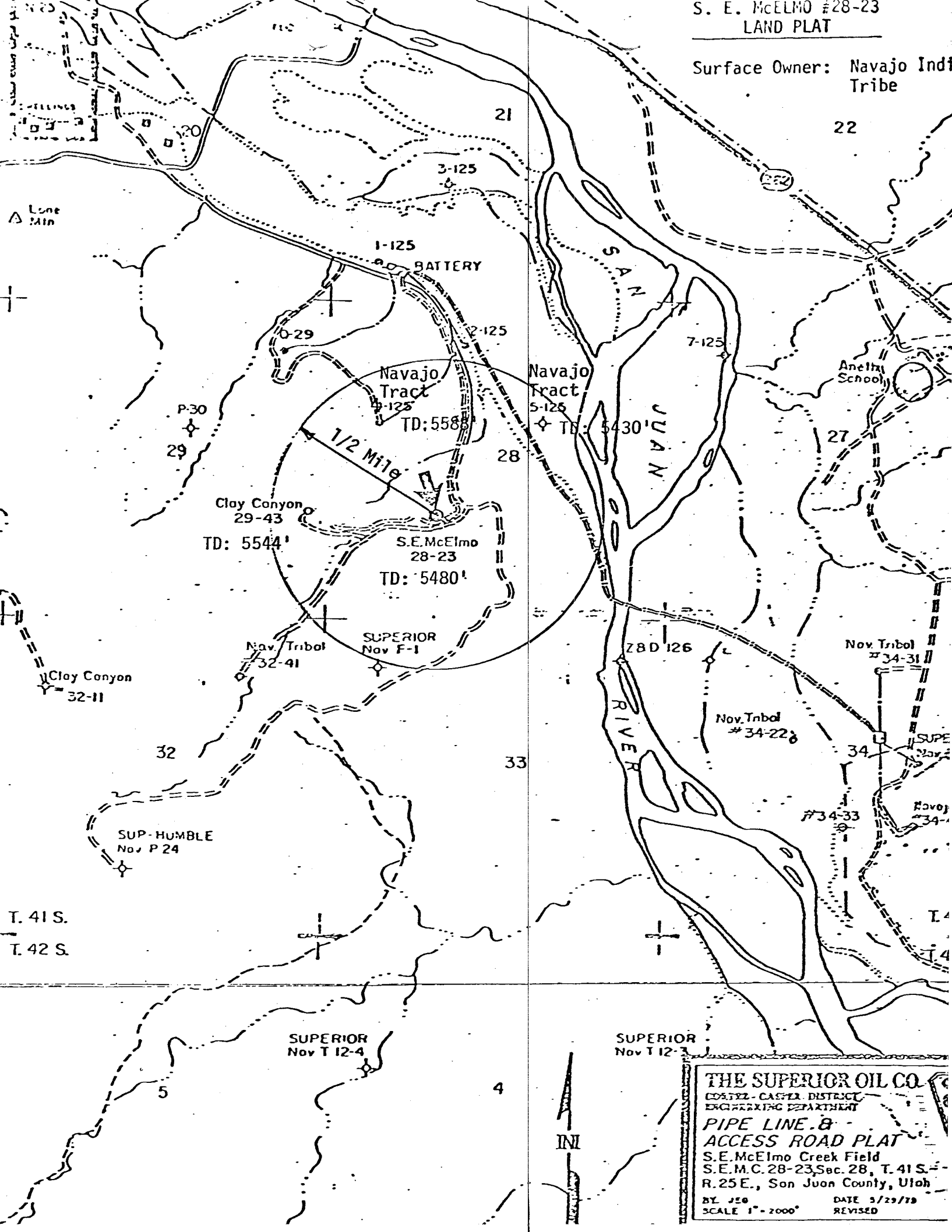
S.E. McELMO #28-23
S.E. McELMO FIELD
SAN JUAN COUNTY, UTAH

PROPOSED WELLBORE SKETCH



S. E. McELMO #28-23
LAND PLAT

Surface Owner: Navajo Indian
Tribe



THE SUPERIOR OIL CO.
COSTEE - CASTER DISTRICT
ENGINEERING DEPARTMENT
PIPE LINE &
ACCESS ROAD PLAT
S.E. McElmo Creek Field
S.E. M.C. 28-23, Sec. 28, T. 41 S.
R. 25 E., San Juan County, Utah
BY JSC DATE 5/25/78
SCALE 1" = 2000' REVISED

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☐ other T.A.
-
2. NAME OF OPERATOR
SUPERIOR OIL COMPANY
-
3. ADDRESS OF OPERATOR
P.O. DRAWER "G", CORTEZ, COLORADO 81321
-
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1645' FWL, 1761' FSL
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same
-
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>
(other) Convert to injection	

SUBSEQUENT REPORT OF:

--	--	--	--	--	--	--	--

JAN 17 1992

DIVISION OF OIL GAS & MINING

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1. MIRU.
2. Drill out cement & CIBP.
3. RIH w/ plastic coated packer & 2-7/8" tubing. Set pkr at 5250'.
4. NU wellhead.
5. RDMO.
6. Place well on injection.

Subsurface Safety Valve: Manu. and Type

18. I hereby certify that the foregoing is true and correct

SIGNED Greg Merriam TITLE Prod. Engineer DATE _____
Greg Merriam

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY: _____

***See Instructions on Reverse Side**

FILE IN QUADRUPPLICATE
FORM OGC-8-X

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: SOUTHEAST McELMO CREEK -28-23
Operator: SUPERIOR OIL COMPANY Address: P.O.DRAWER 'G', CORTEZ, COLO.81:
Contractor: BAYLESS DRILLING CO. Address: 216 S.Hill, Farmington, N.Mex.8:
Location NE 1/4 SW 1/4; Sec. 28 T. 41 XX R. 25 E; San Juan, Utah Cou W

Water Sands:

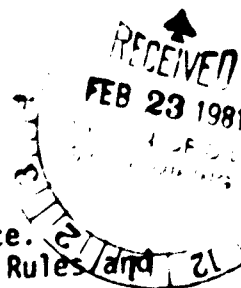
<u>Depth:</u>		<u>Volume:</u>	<u>Quality:</u>
From-	To-	Flow Rate or Head	Fresh or Salty
1. <u>600' - 660'</u>		<u>6" stream</u>	<u>Fresh</u>
2. _____			
3. _____			
4. _____			
5. _____			

(Continue on Reverse Side if Necessary)

Formation Tops: Chinle at 1328'

Remarks:

NOTE: (a) Upon diminishing supply of forms, please inform this office.
(b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
(c) If a water analysis has been made of the above reported zone, please forward a copy along with this form.



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well ☐ gas well ☐ other

2. NAME OF OPERATOR
SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR
P.O. DRAWER 'G', CORTEZ, COLO. 81321

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1654' FWL, 1761' FSL
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) Temporarily Abandon

☐
☐
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(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

PROPOSED WORK

1. POH w/ tubing and tubing anchor.
2. Set CIBP at 5270'±.
3. Dump 20 sx cement on top CIBP to temporarily abandon pending further evaluation.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED D. I. BLANSET TITLE SR. PROD. ENGINEER DATE 9-22-81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL IF ANY:

Orig + 5 - USGS, State - 2, Navajo Tribe, Reg. Group, Central Files - H, W, C

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ gas ☐ other ☐
well well

2. NAME OF OPERATOR

SUPERIOR OIL

3. ADDRESS OF OPERATOR

P.O. DRAWER G, Cortez, CO 81321

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1645' FWL, 1761' FSL

AT TOP PROD. INTERVAL: Same

AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☒

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☐

(other) ☐

SUBSEQUENT REPORT OF:

☐

☐

☐

☐

☐

☐

☐

5. LEASE

14-20-603-700

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NAVAJO

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

SOUTHEAST McELMO CREEK

9. WELL NO.

#28-23

10. FIELD OR WILDCAT NAME

SOUTHEAST McELMO CREEK

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 28, T41S, R25E

12. COUNTY OR PARISH

SAN JUAN

13. STATE

UTAH

14. API NO.

43-037-30511

15. ELEVATIONS (SHOW DF, KDB, AND WD)

KB - 4585.6 GL- 4571'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1. Circulate Hole clean. Run GR/DDC/CBL/VDL. Perforate DC II Zone 5360-5408' w/ 2 jspf. Acidize Zone w/8000 gals at 3-5 BPM. Test and evaluate.

2. Isolate 5360-5408' interval. Perforate 5322-5342' w/ 2 jspf. Acidize w/ 4000 gals at 305 BPM. Test and evaluate.

3. RIH w/ Production Equipment.

APPROVED BY THE STATE
OIL, GAS, AND MINING

DATE: 9-16-81
BY: [Signature]

Subsurface Safety Valve: Manu. and Type

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature]
D. L. BLANCKET

TITLE SR. PRODUCTION ENGINEER 8/4/81

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL IF ANY:

TITLE DATE

Orig + 5 - USGS, State - 2, Navajo Tribe, Reg. Group, Central Files - H, W, C

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE

(See instructions on
reverse side)

Form approved
Budget Bureau No. 42-2055A

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: ☒ **WELL** ☐ **DRY** ☐ **Other**

2. TYPE OF COMPLETION:

☒ **NEW WELL** ☐ **WORK OVER** ☐ **DRIP** ☐ **PLUG BACK** ☐ **DRIP REPAIR** ☐ **Other**

3. NAME OF OPERATOR

SUPERIOR OIL

4. ADDRESS OF OPERATOR

P.O. DRAWER G, Cortez, CO 81321

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface **1654' FWL, 1761' FSL**

At top prod. interval reported below **Same**

At total depth **Same**

16. PERMIT NO.

43--37-30511

DATE ISSUED

11-1-79

6. LEAD DESIGNATION AND SERIAL NO.

14-20-603-700

7. IF INDIAN, ALLIANCE OR TRIBE NAME

NAVAJO

8. TRUST AGREEMENT NAME

9. NAME OF LEASE NAME

SOUTHEAST McELMO CREEK

10. WELL NO.

#28-23

11. FIELD AND POOL, OR WILDCAT

SOUTHEAST McELMO CREEK

12. SEC., T., R., N., OR BLOCK AND SURVEY OR AREA

SEC. 28, T41S, R25E

13. COUNTY OR PARISH

SAN JUAN

14. STATE

UTAH

15. DATE BEGUN

2-6-81

16. DATE F.S. REACHED

2-19-81

17. DATE COMPL. (Ready to prod.)

3-4-81

18. ELEVATION (SP, BBL, ST, CR, ETC.)*

KB-4585.6 GL-4571

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & FWS

5480'

21. FWS, BBL, MD & FWS

5435'

22. IF MULTIPLE COMPL. HOW MANY?

23. INTERVALS DRILLED BY

24. ROTARY TOOLS

A11

25. CABLE TOOLS

26. PRODUCING INTERVAL(S), OF THIS COMPLETION—FWS, BOTTOM, NAME (MD AND FWS)*

Desert Creek I 5306-5358'

Desert Creek II 5358-5416'

27. WAS DIRECTIONAL SURVEY MADE

NO

28. TYPE ELECTRIC AND OTHER LOGS RUN

CNL/FDC, DIL/SFL, BHC, GR/CCL/CBL/VDL

29. WAS WELL Cased

NO

30. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	WALL THICKNESS	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	100'	18"	Redimix to Surface	None
8-5/8"	24#	1400'	12-1/4"	800 sxs Class 'B'	None
5-1/2"	14 & 15.5#	5480'	7-7/8"	295 sxs. Class 'B'	None

31. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)

32. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	5421'	

33. PERFORATION RECORD (Interval, size and number)

5360-5408' at 2 jsfp

5322-5342 at 2 jsfp

34. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5360-5408'	Acidized w/8000 gals.
5322-5342'	Acidized w/4000 gals.

35. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—also kind and type of pump)				WELL STATUS (Producing or Shut-in)	
No Fluid Entry						SHOT-IN	
DATE OF TEST	MOORE TESTED	CROSS AREA	PROD'N. FOR TEST PERIOD	OIL—BBL	GAS—MCF	WATER—BBL	GAS-OIL RATIO
			→				
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL	GAS—MCF	WATER—BBL	OIL GRAVITY-API (CORR.)	
		→					
36. Disposition of gas (Bled, used for fuel, vented, etc.)					TEST WITNESSED BY		

37. LIST OF ATTACHMENTS

38. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

[Signature]
D. J. BLANCHET

TITLE

SR. PRODUCTION ENGINEER

DATE

AUG. 4, 1981

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal oil/gas office. See instructions on items 23 and 24, and 25, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drilling, geologic, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, are item 25.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 10: Indicate which direction is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Item 20 and 21: If this well is completed for separate production from more than one interval zone (multiple completions), so state in item 20, and in item 21 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 20. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to each interval.

Item 29: "Depth Control": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 30: Submit a separate completion report on this form for each interval to be separately produced. (See instructions for items 23 and 24 above.)

22. SUMMARY OF FORMER ZONES: SHOW ALL PREVIOUS ZONES OF PRODUCE AND CURRENT ZONE(S); GIVE INTERVALS; AND ALL WELL-LOGS, TESTS, RECORDS, SEPARATE INTERVAL ZONES, COMPLETION DATA, TEST DATA, PLANNING AND OTHER INFORMATION, AND REFERENCES.				24. GEOLOGIC MARKINGS	
FORMATION	TOP	DEPTH	ROCK TYPE	THICKNESS	UNIT
LOWER ISMAY	5253'	5284'	Limestone, Dolomite		
DESERT CREEK	5306'	5420'	Limestone, Dolomite		
			Chinle	2022'	
			Dechelly	2370'	
			Organ Rock Shale	2604'	
			Hermosa	4311'	
			Upper Ismay	5143'	
			Lower Ismay	5253'	
			Gothic Shale	5386'	
			Desert Creek	5306'	
			Chimney Rock Shale	5450'	
			* Surface Casing set to 1400'		

RECEIVED

AUG 31 1981

DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. ON ☒ GAS ☐ WELL ☐ other

2. NAME OF OPERATOR
SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR
P.O. DRAWER G, CORTEZ, COLO. 81321

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1654' FWL, 1761' FSL
AT TOP PROD. INTERVAL: SAME
AT TOTAL DEPTH: SAME

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON ☐

(other) Temporarily Abandoned

5. LEASE
14-20-603-700

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NAVAJO

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
SOUTHEAST McELMO CREEK

9. WELL NO.

228-23

10. FIELD OR WILDCAT NAME
SOUTHEAST McELMO CREEK

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 28, T41S, R25E

12. COUNTY OR PARISH
SAN JUAN

13. STATE
UTAH

14. API NO.
43-037-30511

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4571' ungraded G.L.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

1. 2-24-81: Acidized perf 5360' to 5408' w/ 190 bbls. acid at 5 BPM rate at 330 Psi. All had 600 Scf/bbl N₂. Flowed back N₂ and no fluid. Pumped 96 bbls KCL wtr. into formation at 225 Psi at 4 BPM. Well on vac.
2. 2-26-81: Ran BHP 43 psi. Set RBP at 5346' & tested to 500 PSI. OK. Ran GR-CCL log 5331 to 5180'. Perf 5322'-5342' w/ 2 JSPF. Acidized Perf w/ 4000 gals. 28% MSR 100 w/500 SCF/ bbl N₂, at 5 BPM, MP 3500 PSI, FP 1200 PSI, ISIP 600 PSI, 15 min, SIP 200 PSI. Jetted Tbg. w/N₂ on btm. No fluid Rec.
3. 3-4-81: RIH w/ Tbg. & Tbg anchor catcher. Set anchor @ 5281'. ND BOP, NU flange & landed tbg. w/ 10,000# tension. Shut well in. T.A. Cleaned location.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Henry W. Hansen TITLE PRODUCTION GEOLOGIST DATE 7-23-81

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL IF ANY:

TITLE _____ DATE _____

Orig + 5 - USGS, State - 2, Navajo Tribe, Exxon C. D. Johnson, Reg. Group - H,W,C, Central Files - H, W, C.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ gas ☐ other ☐

2. NAME OF OPERATOR
SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR
P.O. DRAWER 'G', CORTEZ, COLORADO 81321

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1654' FWL, 1761 FSL
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) Subsequent Report

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐
☐
☐

RECEIVED
MAR 8 1981

NOTE: Report results of multiple completion or zone changes on Form 9-330.)

DIVISION OF
OIL, GAS & MINING

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

1. 2-19-81: Drilled 7-7/8" hole to 5480' Ran SP-DIL, BHC Sonic & GR-FDC-CNL.
2. 2-20-81: Ran 148 jts 5-1/2", 15.5#, K-55 ST&C, Rge 2 & 3, with Davis float shoe and collar. 800 gal mud sweep ahead of 295 sx Class 'B' cement w/ 3/4 of 1% D31 slurry wt. 15.8#, max pump press 1000# at 6 BPM rate. Bump plug w/ fresh wtr w/ 2000#. Held OK. Had full returns while mixing and pumping. Cut off 8-5/8" csg. Installed a National tubing head DP-70 10" X 3000# bottom flange & 6" X 3000#, tested same w/ National man to 700#. OK. Nippled up 10" X 5000# Shaffer LWS BOP.
3. 2-21-81: Ran Cement Bond log, Variable Density, GR, Csg Collar Log. Excellent bonding.
4. 2-23-81: Perforated Desert Creek from 5360' - 5408' w/ 2 jet shots/ft.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED H. W. HAVEN TITLE Prod. Geologist DATE 2-27-81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

Orig + 5 - USGS, State - 2, Navajo Tribe, Exxon, C. D. Johnson, Reg. Group - H,W,C
Central Files - H,W,C

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐
2. NAME OF OPERATOR
SUPERIOR OIL COMPANY
3. ADDRESS OF OPERATOR
P. O. DRAWER 'G', CORTEZ, COLORADO 81321
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1654' FWL, 1761' FSL
AT TOP PROD. INTERVAL: Same as surface
AT TOTAL DEPTH: Same as surface.
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

- | REQUEST FOR APPROVAL TO: | SUBSEQUENT REPORT OF: |
|---|-------------------------------------|
| TEST WATER SHUT-OFF <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/> | <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/> | <input type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/> | <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> | <input type="checkbox"/> |
| MULTIPLE COMPLETE <input type="checkbox"/> | <input type="checkbox"/> |
| CHANGE ZONES <input type="checkbox"/> | <input type="checkbox"/> |
| ABANDON* <input type="checkbox"/> | <input type="checkbox"/> |
| (other) <input type="checkbox"/> | <input type="checkbox"/> |

5. LEASE
14-20-603-700
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NAVAJO
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
S. E. McELMO CREEK
9. WELL NO.
#28-23
10. FIELD OR WILDCAT NAME
S. E. McELMO CREEK
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 28, T41S, R25E
12. COUNTY OR PARISH | 13. STATE
SAN JUAN | UTAH
14. API NO.
43-037-30511
15. ELEVATIONS (SHOW DF, KDB, AND WD)
4571' Ungraded G. L.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

- Spudded 2-6-81. Drilled 18" hole to 82'.
- Ran 13-3/8", 54.5#, K-55, ST&C conductor casing to 82'. Cemented w/ 6 cu yds ready-mix cement.
- 2-9-81: Drilled 12-1/4" hole 1398' Ran 42 jts. 8-5/8" csg, 24#, K-55, ST&C w/ Davis float shoe and collar. Cemented w/ 12 bbls mud flush, 600 sx B. J. Lite wt. w/10# Gilsonite w/ .2% of A-2 Lo-dense, 2% CaCl, followed w/200 sx class 'B' neat w/ 2% CaCl. Max pump psi 500# at 6 BPM rate. Final psi 1200#. Had full returns. Mixed and pumped down annulus 125 sx. class 'B' neat w/ 3% CaCl and circ. Good cmt. Hole stayed full. Cut off 13-3/8" & 8-5/8" csg-welded on National 10" X 3000# slip on csg head NSB - National, tested same at 500#. OK. Installed BOP & nipped up. Drilling ahead.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED H. W. Haven TITLE Prod. Geologist DATE Feb. 19, 1981

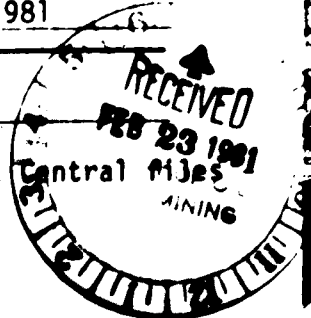
(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____ DATE _____

Orig + 5 - USGS, State - 2, Navajo Tribe, Exxon, C. D. Johnson, Reg. Group, Central Files
H. W. C

*See Instructions on Reverse Side



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☒ well gas ☐ well other ☐

2. NAME OF OPERATOR
SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR (ZIP 81321)
P. O. DRAWER 'G', CORTEZ, COLORADO

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: **1654' FWL, 1761' FSL**
AT TOP PROD. INTERVAL: **Same as Surface**
AT TOTAL DEPTH: **Same as Surface**

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>

(other) REQUEST FOR EXTENSION

5. LEASE
14-20-603-700

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NAVAJO

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
SOUTHEAST McELMO CREEK

9. WELL NO.
#28-23

10. FIELD OR WILDCAT NAME
SOUTHEAST McELMO CREEK FIELD

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 28, T41S, R25E

12. COUNTY OR PARISH
SAN JUAN

13. STATE
UTAH

14. API NO.
43-037-30511

15. ELEVATIONS (SHOW DF, KDS, AND WD)
4572' UNGRADED G.L.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

A six month extension is requested for this well to keep the Application for Permit to drill valid.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED *Harry H. Haven* TITLE Prod. Geologist DATE 12/30/80
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

NWH/nh

Orig. + 3 - USGS, State (2), C. D. Johnson, C. R. Coffey, W. H. Speers, Dick Keelan, W. N. Mosley, Navajo Tribe, Exxon Co. USA, Central File, File

*See instructions on reverse side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

2. TYPE OF WELL

OIL ☐
WATER ☒GAS ☐
WELL ☐OTHER ☐SINGLE ☒
ZONE ☐MULTIPLE ☐
ZONE ☐

3. NAME OF OPERATOR

THE SUPERIOR OIL COMPANY

4. ADDRESS OF OPERATOR

P. O. DRAWER 'G', CORTEZ, COLORADO 81321

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

1654' FWL, 1711' FSL **NE SW**

At proposed prod. zone

Same as surface

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

1-3/4 miles S-SE of Aneth, Utah

7. DISTANCE FROM PROPOSED

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drg. unit line, if any)

929' North

8. NO. OF ACRES IN LEASE

640

9. DISTANCE FROM PROPOSED LOCATION

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

No wells on lease
1880' NW across lease

10. PROPOSED DEPTH

5480'

11. ELEVATIONS (Show whether BP, RT, GR, etc.)

line

4572' Ungraded ground level

12. NO. OF ACRES ADJACENT

TO THIS WELL

80

13. ROTARY OR CABLE TOOLS

Rotary

14. APPROX. DATE WORK WILL START

October 31, 1979

15. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	100'	150 SX
12-1/4"	8-5/8"	24#	1328'	850 SX
7-7/8"	5-1/2"	14 & 15.5#	5480'	250 SX

1. Drill 17-1/2" hole to 100'. Set 13-3/8" casing to 100' and cement to surface with 150 sacks.
2. Drill 12-1/4" hole to 1328'. Set 8-5/8" casing to 1328' and cement to surface with 850 sacks. NU BOPS.
3. Drill 7-7/8" hole through Desert Creek to approximately 5480'. 150' of core to be cut in Desert Creek Zone.
4. Log well.
5. Set 5-1/2" casing at 5480' and cement with 250 sacks.
6. Perforate Desert Creek and stimulate based on log evaluation.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

James R. Oberlander
James R. Oberlander

TITLE

Engineer

DATE

Oct. 16, 1979

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

10/1h

rig + 3- USGS, State - 2, T. W. Cooley, C. R. Coffey, W. H. Speers, Dick Keelan,
N. Mosley, Navajo Tribe, H. Haven, Exxon Company, USA, Central File, File

SUPPLEMENT TO FORM 9-331C

WELL: Southeast McElmo Creek #28-23

SURFACE FORMATION WHERE PROPOSED DRILLING IS TO TAKE PLACE: Dakota

UNPREPARED GROUND SURFACE ELEVATION: 4571'

ESTIMATED FORMATION TOPS: (Measured from KB approximately 4584')

Chinle	1296'
DeChelly	2349'
Ismay	5172'
Gothic Shale	5323'
Desert Creek	5343'
Chimney Rock	5473'
TD	5480'

WATER BEARING FORMATIONS: Water is expected to be encountered intermittently from 400' to 1296'.

HYDROCARBON BEARING FORMATIONS: Oil and gas are expected to be encountered intermittently from 5343' to 5473'.

MUD PROGRAM:

Surface to 2000' - Water

2000' to 4900' - Lignosulfonate or similar mud system; no water loss control, weighted as necessary with Barite.

4900' to TD - Lignosulfonate or similar mud system; 15 cc water loss, weighted as necessary with Barite.

CEMENT PROGRAM:

Conductor - Cement to surface with 150 sx B.J. Light with Class 'B' cement containing 4% gel and 2% CaCl.

Surface - Cement to surface w/750 sx B.J. Light w/10#/sk Gilsomite, followed w/100 sx Class 'B' Neat w/2% CaCl at 15.6 ppg.

Production - 250 sx Class 'B' with 5#/sk salt, 1/2#/sk Firm set and 3/4% CFR-2.

LOGGING PROGRAM:

CNL-FDC, Sonic - TD to 1328'

DLL, MSFL and Velocity - TD to 4400'

CORING PROGRAM: 150'⁺ to be cut in Desert Creek

PRESSURE CONTROLS: Blowout preventer equipment will be 10" Series 600 with blind rams and drill pipe rams hydraulically and manually controlled. The schematic of the pressure control equipment can be seen on the following page. The mud system will be monitored by visual inspection.

ANTICIPATED STARTING DATE: October 31, 1979

DURATION OF DRILLING OPERATION: 21 days

Well 28-23 located in the NW 1/4 of Sec. 28;
T.41S., R.25E., S.L.M., San Juan Co., Utah.

Superior Oil Co. July 3, 1979
Well 28-23

Sec. 20 Sec. 21 Sec. 22
Sec. 29 Sec. 28 Sec. 27

SECTION 28

T.41 S., R.25E., S.L.M.,
San Juan Co., Utah

1654.08'

Well 28-23

1711.11'

Scale:
1" = 1000'

Sec. 29 Sec. 28 Sec. 27
Sec. 32 Sec. 33 Sec. 34

A ← Ref. North
Elev. 4568.3

← S N. 02° 21' 19" E. - 198.71'

U.S.G.L.O.
Brass cap:
1 mile

— Access Road:
300' @ 4%

Laydown
N. 87° 38' 41" W.

Well 28-23
Elev. 4571.5

Soil: Sandy.
Vegetation: Sparsh
brush.

S. 02° 21' 19" W. -
182.72'

Reserve
Pits

A ← Ref. South
Elev. 4576.3

Road

Ref. north

Well 28-23

Section A-A

Horizontal scale: 1" = 100'
Vertical scale: 1" = 50'

THORAC Engineering Inc.

215 N. Lincoln
Cortez, Colorado
888-5408

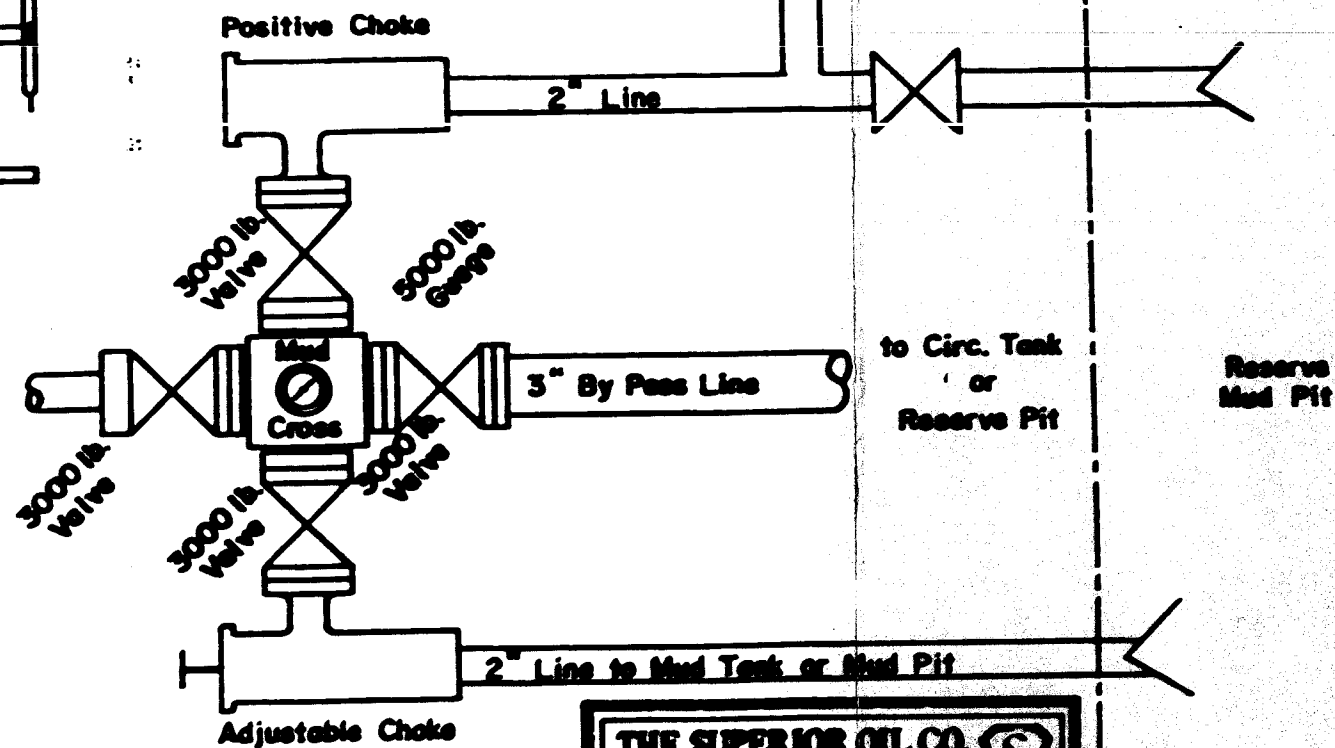
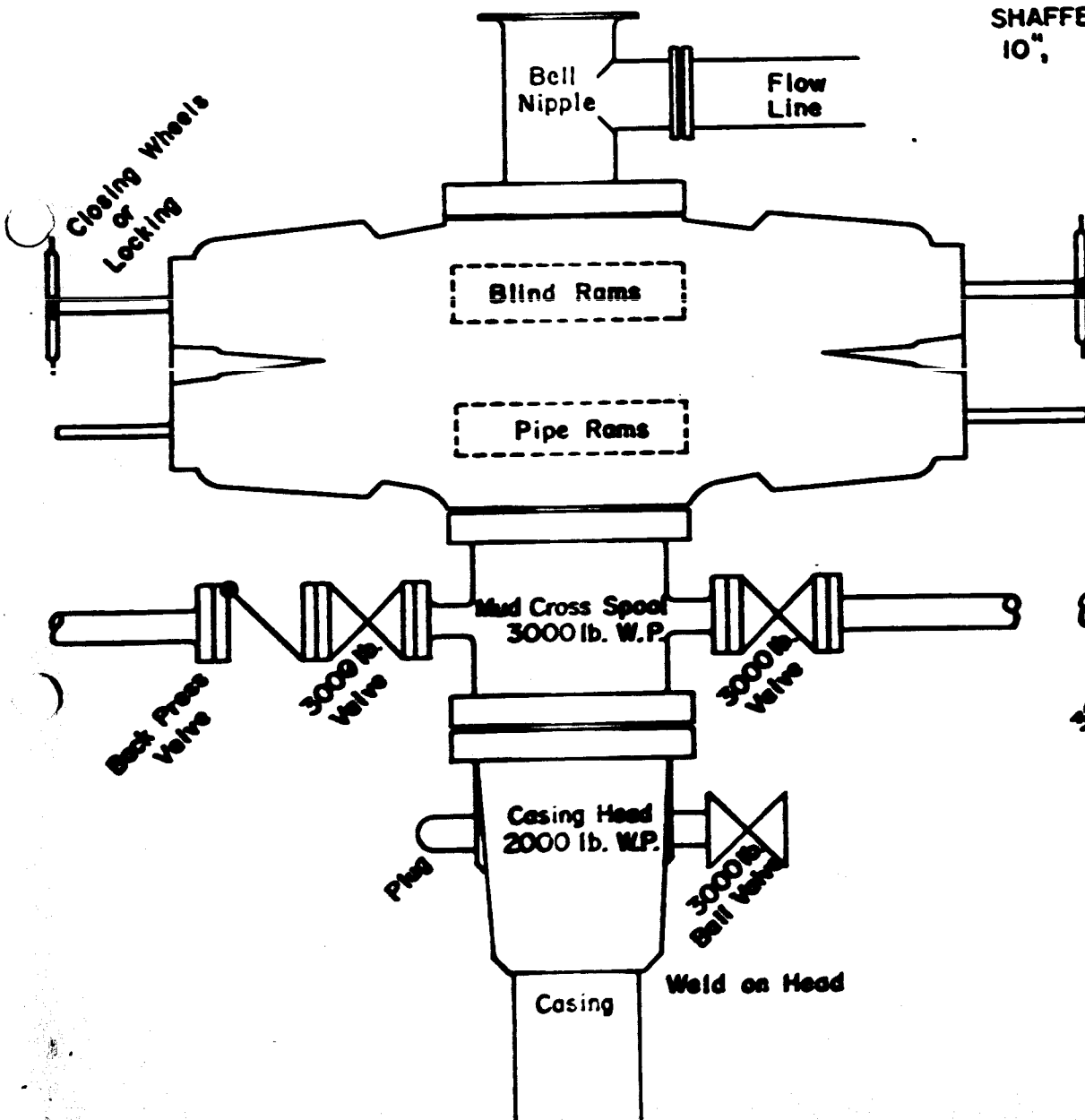
THESE PRELIMINARY PLANS
WAS PREPARED BY THE ENGINEER
AND THE SURVEYOR HAS NOT BEEN
CHECKED BY THE SURVEYOR AND THE
ENGINEER HAS NOT BEEN CHECKED BY
THE SURVEYOR.

Indirect Thomas

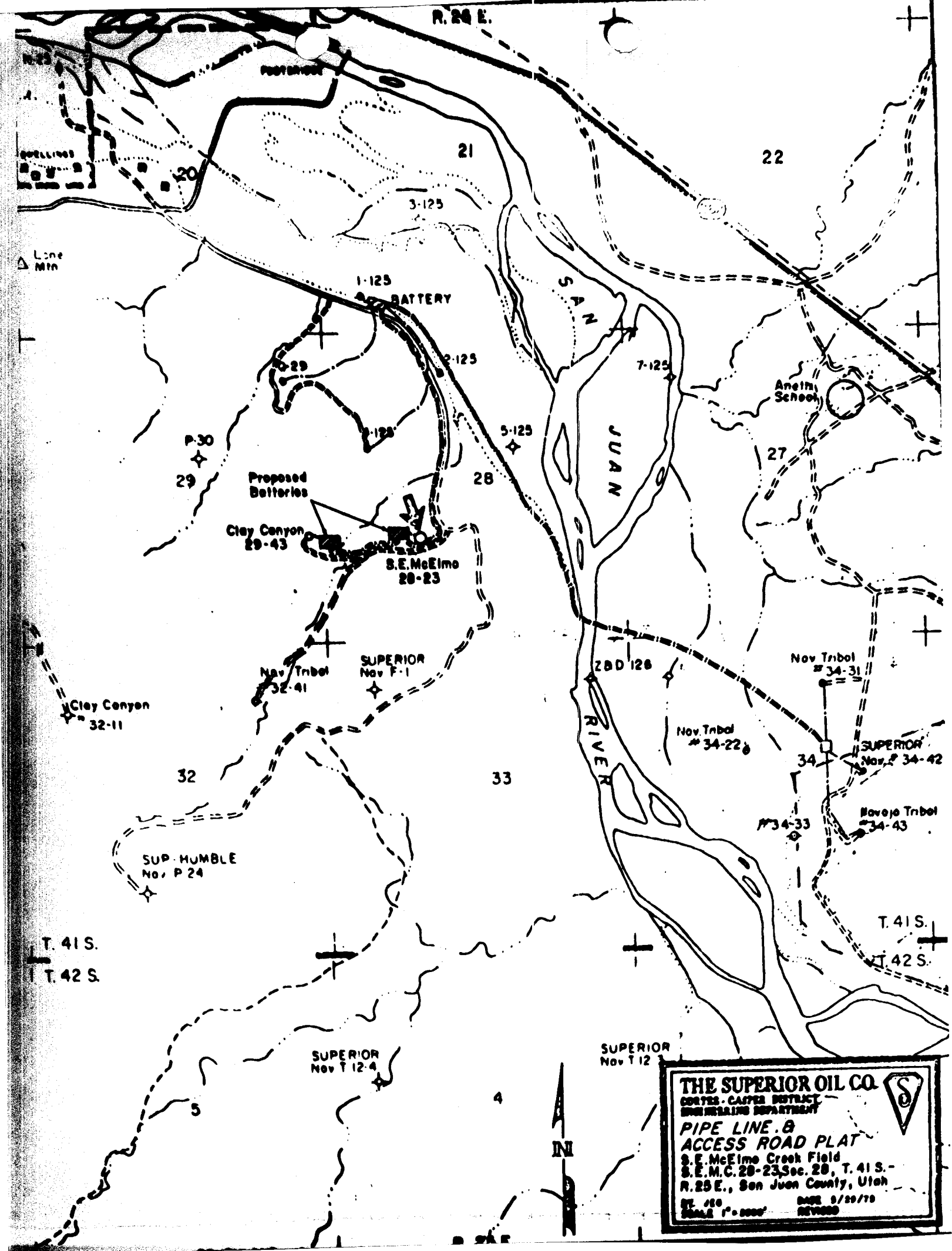
Indirect Thomas
215 N. Lincoln
Cortez, Colorado
888-5408

Circulating Tank

SHAFFER DOUBLE GATE BLOW OUT PREVENTER
10", 3000 lb. W.P., 6000 lb. Test, Type E



THE SUPERIOR OIL CO.
CORREY-CARVER DISTRICT
ENGINEERING DEPARTMENT
SCHEMATIC DIAGRAM
OF PRESSURE CONTROL
EQUIPMENT
BY JES
SCALE NONE
DATE 6/22/70
REVISED



THE SUPERIOR OIL CO.

CORTES-CASPER DISTRICT
ENGINEERING DEPARTMENT

**PIPE LINE &
ACCESS ROAD PLAT**

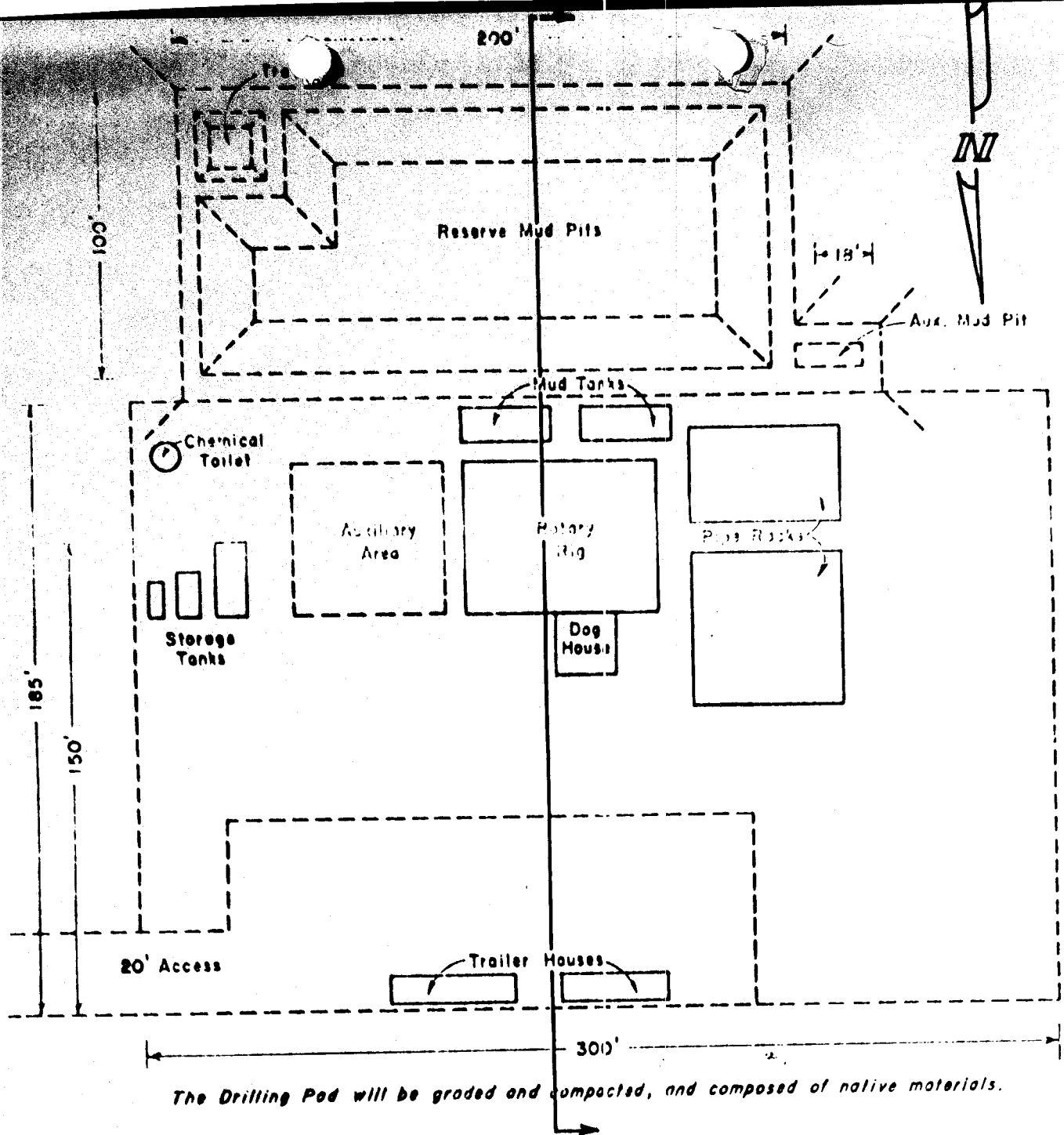
S.E. McElmo Creek Field
S.E. M.C. 28-23, Sec. 28, T. 41 S.,
R. 25 E., San Juan County, Utah

BY JES

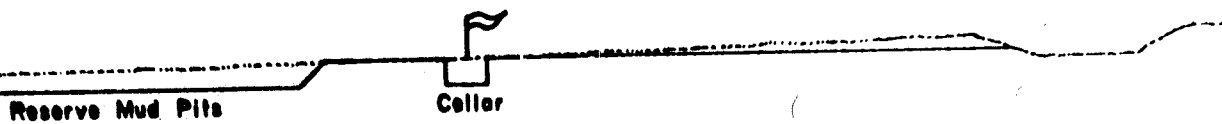
DATE 9/29/70

SCALE 1" = 2000'

REVISED




PROPOSED WELL SITE
S.E.M.C. 28-23
Original Elev. 4571.5



Original Contour
Reference Point
Graded Proposal



THE SUPERIOR OIL CO. 

CORTEX - CASPER DISTRICT
ENGINEERING DEPARTMENT

RIG LAYOUT & DRILL
PAD CROSS SECTION

S.E.M.C. Well No. 28-23
S.E. McELMO CREEK FIELD

5" 120' DATE 8/28/79



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

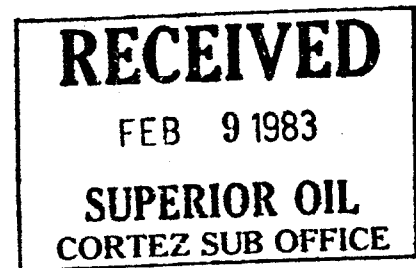
4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

February 4, 1983

Superior Oil Co.
P.O. Drawer G
Cortez, Colorado 81321

Attn: Greg Merrion



RE: Injection Well Application
#28-23
Sec. 28, T 41 S, R 25 E

Dear Mr. Merrion:

The Division cannot approve the subject injection well as proposed in your application. The application makes no mention of plans to install a tubing and packer, this arrangement cannot be condoned. Please provide a proposed wellbore sketch to complete the application.

If you have any questions, please call.

Sincerely,

DIVISION OF OIL, GAS & MINING

GILBERT L. HUNT
UIC GEOLOGIST

GLH/mn

UIC-018

Notice has been sent to the following:

Newspaper Agency Corp.
San Juan Record

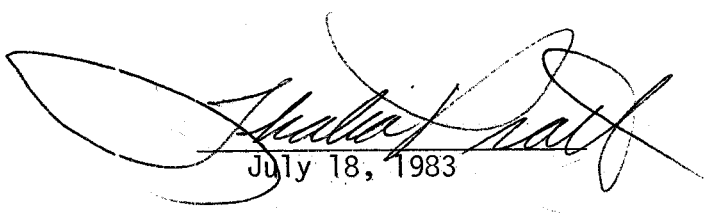
Superior Oil Company
P.O. Drawer "G"
Cortez, CO 81321

Ut. Dept. of Health
Water Pollution Control
Attn: Jerry Riding
150 W. N. Temple
Salt Lake City, UT

U.S. Environmental Protection Agency
1860 Lincoln Street
Attn: Mike Strieby
Denver, CO 80295

~~BLM~~
~~Minerals Management Service~~
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, UT 84104

Navajo Indian Tribe
Window Rock, AZ 86615


July 18, 1983

SUPERIOR OIL

July 5, 1983

Gilbert Hunt
State of Utah
Division of Oil, Gas & Mining
4241 State Office Bldg
Salt Lake City, Utah 84114

Re: S. E. McElmo #28-23
Section 28, T41S, R25E
San Juan County, Utah

Dear Sir:

Attached please find a "Proposed Wellbore Sketch" for the subject well. An application to convert this well to injection was submitted in January 1983 but was never approved because the proposed wellbore sketch was not included (see attached letter). Thanks for your cooperation in this matter and Superior will await your approval of the above-mentioned application.

Sincerely,

SUPERIOR OIL COMPANY .



T. Greg Merrion
Production Engineer

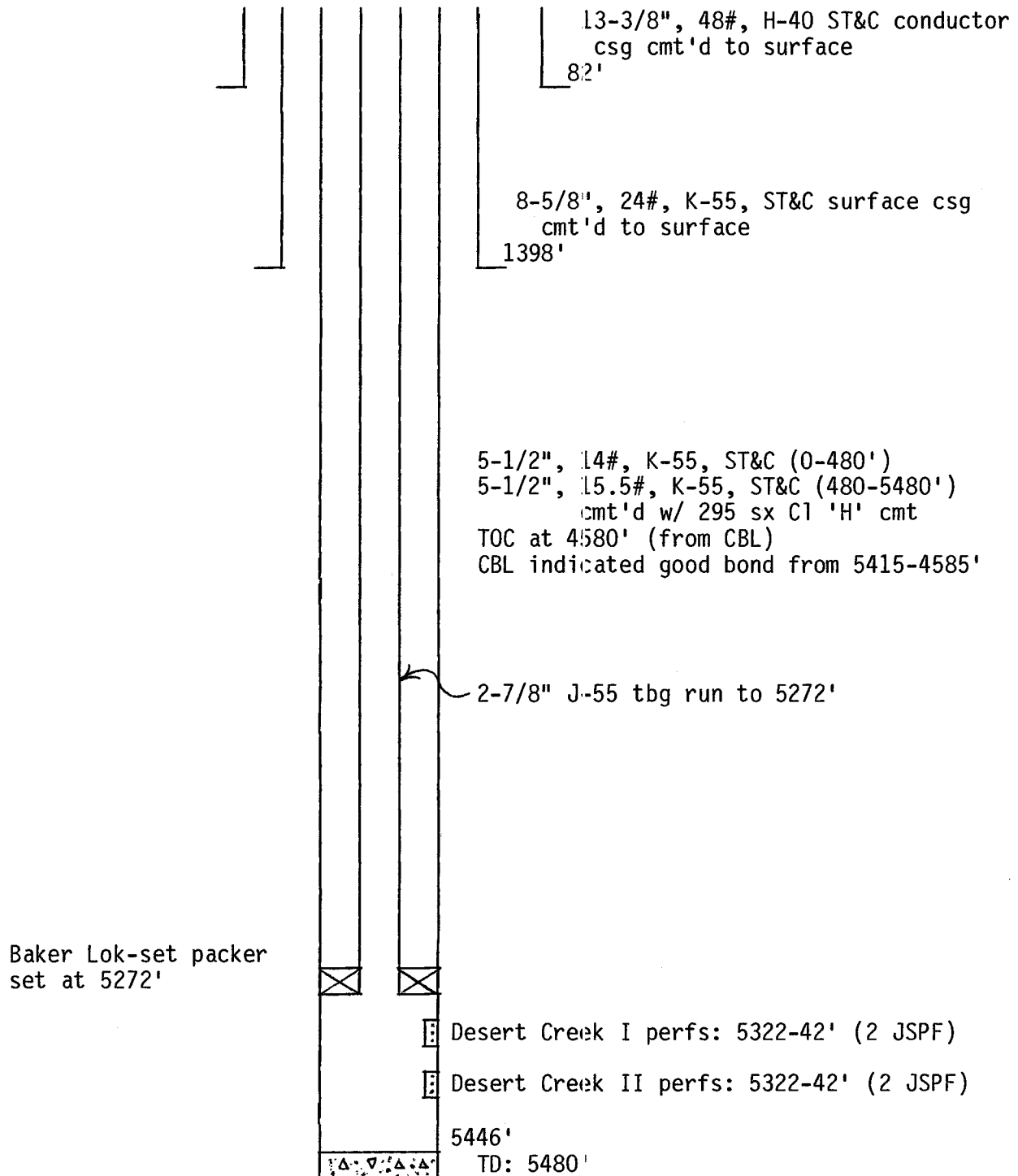
TGM/lh
Attach.

RECEIVED
JUL 11 1983

**DIVISION OF
OIL, GAS & MINING**

S.E. McELMO #28-23
S.E. McELMO FIELD
SAN JUAN COUNTY, UTAH

PROPOSED WELLBORE SKETCH





STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

July 18, 1983

San Juan Record
Legal Advertising
Monticello, UT 84535

Re: Cause No. UIC-018

Gentlemen:

Attached hereto is a Notice of Application for Administrative Approval, before the Division of Oil, Gas and Mining, Department of Natural Resources and Energy, State of Utah.

It is requested that this notice be published ONCE ONLY, as soon as possible but no later than the 26th day of July, 1983. In the event that said notice cannot be published by this date, please notify this office immediately by calling 533-5771.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 4241 State Office Building, Salt Lake City, Utah 84114.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Marjorie L. Larson

MARJORIE L. LARSON
Secretary of the Board

AFFIDAVIT OF PUBLICATION

I, Joyce Martin, being duly sworn,
depose and say that I am the publisher of the San
Juan Record, a weekly newspaper of general circulation
published at Monticello, Utah, every Thursday; that
notice of cause no. UIC-018

a copy of which is hereunto attached, was published in
the regular and entire issue of each number of said
newspaper for a period of One issues, the first
publication having been made on _____
and the last publication having been made on July
Twenty-eighth

Signature

Joyce A. Martin
Publisher

Subscribed and sworn to before me this Twenty-eighth
day of July, A.D. 1983.

Dorothy Barr
Notary Public
Residing at Monticello, Utah

My commission expires May 17, 1986

PUBLIC NOTICE

BEFORE THE DIVISION OF OIL,
GAS AND MINING
Room 4241 State Office Building
Salt Lake City, Utah 84114

IN THE MATTER OF THE
APPLICATION OF SUPERIOR
OIL COMPANY, FOR ADMIN-
ISTRATIVE APPROVAL TO
INJECT WATER INTO WELL NO.
28-23, SECTION 28, TOWNSHIP
41 SOUTH, RANGE 25 EAST, SAN
JUAN COUNTY, UTAH.
CAUSE NO. UIC-018

THE STATE OF UTAH TO ALL
PERSONS, OWNERS, PRO-
DUCERS, OPERATORS, PUR-
CHASERS AND TAKERS OF OIL
AND GAS AND ALL OTHER
INTERESTED PERSONS, PAR-
TICULARLY IN SAN JUAN
COUNTY, UTAH:

NOTICE IS HEREBY GIVEN
THAT Superior Oil Company,
P.O. Drawer "G", Cortez, Colo-
rado 81321, is requesting that the
Division authorize the approval to
convert the well mentioned below,
to a water injection well as
follows:

Township 41 South, Range 25
East

Sec. 28, # 28-23 SW NE SW
INJECTION ZONE: Ismay -
Desert Creek 5,322 feet to
5,408 feet

MAXIMUM INJECTION PRES-
SURE 2,500 psig

MAXIMUM INJECTION RATE:
1,000 barrels of water per day

This application will be granted
unless objections are filed with
the Division of Oil, Gas and
Mining within fifteen days after
publication of this Notice. Ob-
jections if any, should be mailed
to: Division of Oil, Gas and
Mining, Room 4241 State Office
Building, Salt Lake City, Utah
84114.

STATE OF UTAH

DIVISION OF OIL, GAS AND
MINING

s/Marjorie L. Larson

Secretary of the Board

Published in The San Juan Record
July 28, 1983.

AFFIDAVIT OF PUBLICATION

I, Joyce Martin, being duly sworn,
depose and say that I am the publisher of the San
Juan Record, a weekly newspaper of general circulation
published at Monticello, Utah, every Thursday; that
notice of cause no. UIC-018

a copy of which is herewith attached, was published in
the regular and entire issue of each number of said
newspaper for a period of One issues, the first
publication having been made on _____
and the last publication having been made on July
Twenty-eighth

Signature Joyce A. Martin
Publisher

Subscribed and sworn to before me this Twenty-eighth
day of July, A.D. 1983.

Dorothy Barr
Notary Public
Residing at Monticello, Utah

My commission expires May 17, 1986

RECEIVED
AUG 01 1983
DIVISION OF
CRIMINAL JUSTICE

PUBLIC NOTICE

BEFORE THE DIVISION OF OIL,
GAS AND MINING

Room 4241 State Office Building
Salt Lake City, Utah 84114

IN THE MATTER OF THE
APPLICATION OF SUPERIOR
OIL COMPANY, FOR ADMIN-
ISTRATIVE APPROVAL TO
INJECT WATER INTO WELL NO.
28-23, SECTION 28, TOWNSHIP
41 SOUTH, RANGE 25 EAST, SAN
JUAN COUNTY, UTAH.
CAUSE NO. UIC-018

THE STATE OF UTAH TO ALL
PERSONS, OWNERS, PRO-
DUCERS, OPERATORS, PUR-
CHASERS AND TAKERS OF OIL
AND GAS AND ALL OTHER
INTERESTED PERSONS, PAR-
TICULARLY IN SAN JUAN
COUNTY, UTAH:

NOTICE IS HEREBY GIVEN
THAT Superior Oil Company,
P.O. Drawer "G", Cortez, Colo-
rado 81321, is requesting that the
Division authorize the approval to
convert the well mentioned below,
to a water injection well as
follows:

Township 41 South, Range 25
East

Sec. 28, # 28-23 SW NE SW
INJECTION ZONE: Ismay -
Desert Creek 5,322 feet to
5,408 feet

MAXIMUM INJECTION PRES-
SURE 2,500 psig

MAXIMUM INJECTION RATE:
1,000 barrels of water per day

This application will be granted
unless objections are filed with
the Division of Oil, Gas and
Mining within fifteen days after
publication of this Notice. Ob-
jections if any, should be mailed
to: Division of Oil, Gas and
Mining, Room 4241 State Office
Building, Salt Lake City, Utah
84114.

STATE OF UTAH
DIVISION OF OIL, GAS AND
MINING

s/Marjorie L. Larson
Secretary of the Board

2
BEFORE THE DIVISION OF OIL, GAS AND MINING
Room 4241 State Office Building
Salt Lake City, Utah 84114

IN THE MATTER OF THE APPLICATION)
OF SUPERIOR OIL COMPANY, FOR)
ADMINISTRATIVE APPROVAL TO INJECT) CAUSE NO. UIC-018
WATER INTO WELL NO. 28-23, SECTION)
28, TOWNSHIP 41 SOUTH, RANGE 25)
EAST, SAN JUAN COUNTY, UTAH.)

THE STATE OF UTAH TO ALL PERSONS, OWNERS, PRODUCERS, OPERATORS,
PURCHASERS AND TAKERS OF OIL AND GAS AND ALL OTHER INTERESTED PERSONS,
PARTICULARLY IN SAN JUAN COUNTY, UTAH:

NOTICE IS HEREBY GIVEN THAT Superior Oil Company, P.O. Drawer "G",
Cortez, Colorado 81321, is requesting that the Division authorize the
approval to convert the well mentioned below, to a water injection
well as follows:

Township 41 South, Range 25 East

Sec. 28, # 28-23 SW NE SW

INJECTION ZONE: Ismay - Desert Creek 5,322' to 5,408'

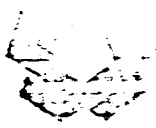
MAXIMUM INJECTION PRESSURE 2,500 psig

MAXIMUM INJECTION RATE: 1,000 barrels of water per day

This application will be granted unless objections are filed with
the Division of Oil, Gas and Mining within fifteen days after publication
of this Notice. Objections if any, should be mailed to: Division of
Oil, Gas and Mining, Room 4241 State Office Building, Salt Lake City,
Utah 84114.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

Marjorie L. Larson
MARJORIE L. LARSON
Secretary of the Board



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

July 27, 1983

Newspaper Agency Corp.
Legal Advertising
143 South Main
Salt Lake City, UT

RE: Cause No. UIC-018

Gentlemen:

Attached hereto is a Notice of Application for Administrative Approval, before the Division of Oil, Gas and Mining, Department of Natural Resources and Energy, State of Utah.

It is requested that this notice be published ONCE ONLY, as soon as possible but no later than the 4th day of AUGUST, 1983. In the event that said notice cannot be published by this date, please notify this office immediately by calling 533-5771.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 4241 State Office Building, Salt Lake City, Utah 84114.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Marjorie L. Larson

MARJORIE L. LARSON
Secretary of the Board

Affidavit of Publication

ADM-35B

STATE OF UTAH,

County of Salt Lake

SS.

Cheryl Gierloff

BEFORE THE DIVISION OF
OIL, GAS AND MINING
Room 4241
State Office Building
Salt Lake City, UT 84114

THE MATTER OF THE
APPLICATION OF SUPERIOR
OIL COMPANY, FOR ADMIN-
ISTRATIVE APPROVAL TO
INJECT WATER INTO WELL
NO. 8-23, SECTION 28, TOWN-
SHIP 41 SOUTH, RANGE 25
EAST, SAN JUAN COUNTY,
UTAH.

THE STATE OF UTAH TO
ALL PERSONS, OWNERS,
PRODUCERS, OPERATORS,
PURCHASERS AND TAKERS
OF OIL AND GAS AND ALL
OTHER INTERESTED PER-
SONS, PARTICULARLY IN
SAN JUAN COUNTY, UTAH:

NOTICE IS HEREBY GIVEN
THAT Superior Oil Company,
P.O. Drawer "G", Cortez,
Colorado 81321, is requesting
that the Division authorize the
approval to convert the well
mentioned below, to a water
injection well as follows:

Township 41 South,
Range 25 East,
Sec. 28, #28-23
SW NE SW

INJECTION ZONE: Ismay -
Desert Creek 5,322' to 5,408'

MAXIMUM INJECTION
PRESSURE 2,500 psig

MAXIMUM INJECTION
RATE: 1,000 barrels of water
per day

This application will be
granted unless objections are
filed with the Division of Oil,
Gas and Mining within fifteen
days after publication of this
notice. Objections, if any,
should be mailed to: Division of
Oil, Gas and Mining, Room 4241
State Office Building, Salt Lake
City, Utah 84114.

STATE OF UTAH
DIVISION OF OIL,
GAS AND MINING
MARJORIE L. LARSON
Secretary of the Board

Being first duly sworn, deposes and says that he/she is legal advertising clerk of THE SALT LAKE TRIBUNE, a daily newspaper printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County, in the State of Utah, and of the DESERET NEWS, a daily newspaper printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County, in the State of Utah.

That the legal notice of which a copy is attached hereto

In the Matter of the application of Superior

Oil Co. *415-918*

was published in said newspaper on

August 4, 1983

Cheryl Gierloff
Legal Advertising Clerk

Subscribed and sworn to before me this 11th day of

August A.D. 1983

SO Conaty
Notary Public

My Commission Expires

Oct. 1, 1986

ADM-35B

SS.

Cheryl Gierloff

Being first duly sworn, deposes and says that he/she is legal advertising clerk of THE SALT LAKE TRIBUNE, a daily newspaper printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County, in the State of Utah, and of the DESERET NEWS, a daily newspaper printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County, in the State of Utah.

That the legal notice of which a copy is attached hereto

.....In the Matter of the application of Superior.....

Oil Co. UIC-018

was published in said newspaper on

.....August 4, 1983.....✓

Cheryl Pierloff
Legal Advertising Clerk

Subscribed and sworn to before me this**11th**..... day of

.....**August**..... A.D. 19**83**.....

SO Conaty

Notary Public

My Commission Expires

Oct. 1, 1986

Affidavit of Publication

ADM-35B

STATE OF UTAH,
County of Salt Lake

SS.

Cheryl Gierloff

**BEFORE THE DIVISION OF
OIL, GAS AND MINING**

Room 4241
State Office Building
Salt Lake City, UT 84114
IN THE MATTER OF THE
APPLICATION OF SUPERIOR
OIL COMPANY FOR ADMIN-
ISTRATIVE APPROVAL TO
INJECT WATER INTO WELL
NO. 28-23, SECTION 28, TOWN-
SHIP 41 SOUTH, RANGE 25
EAST, SAN JUAN COUNTY,
UTAH.

THE STATE OF UTAH TO
ALL PERSONS, OWNERS,
PRODUCERS, OPERATORS,
PURCHASERS AND TAKERS
OF OIL AND GAS AND ALL
OTHER INTERESTED PER-
SONS, PARTICULARLY IN
SAN JUAN COUNTY, UTAH:

NOTICE IS HEREBY GIVEN
THAT Superior Oil Company,
P.O. Drawer "G", Cortez,
Colorado 81321, is requesting
that the Division authorize the
approval to convert the well
mentioned below, to a water
injection well as follows:

Township 41 South,
Range 25 East
Sec. 28, #28-23
SW NE SW

INJECTION ZONE: Ismay
Desert Creek 5,322' to 5,408'
MAXIMUM INJECTION
PRESSURE 2,500 psig
MAXIMUM INJECTION
RATE 1,000 barrels of water
per day

This application will be
granted unless objections are
filed with the Division of Oil,
Gas and Mining within fifteen
days after publication of this
Notice. Objections, if any,
should be mailed to: Division of
Oil, Gas and Mining, Room 4241
State Office Building, Salt Lake
City, Utah 84114.

STATE OF UTAH
DIVISION OF OIL,
GAS AND MINING
MARJORIE L. LARSON
Secretary of the Board

E-62

Being first duly sworn, deposes and says that he/she is
legal advertising clerk of THE SALT LAKE TRIBUNE,
a daily newspaper printed in the English language with
general circulation in Utah, and published in Salt Lake
City, Salt Lake County, in the State of Utah, and of the
DESERET NEWS, a daily newspaper printed in the
English language with general circulation in Utah, and
published in Salt Lake City, Salt Lake County, in the
State of Utah.

That the legal notice of which a copy is attached hereto

.....In the Matter of the application of Superior.....

.....Oil Co. UIC - 018

.....was published in said newspaper on.....

.....August 4, 1983.....

Cheryl Gierloff
Legal Advertising Clerk

Subscribed and sworn to before me this11th..... day of
.....August..... A.D. 1983.....

SO Conaty
Notary Public

My Commission Expires

.....Oct. 1, 1986.....

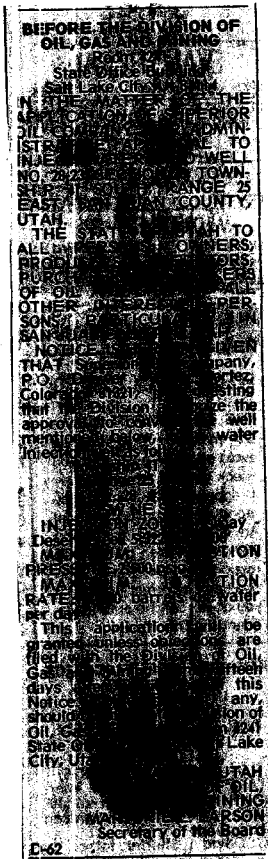
Affidavit of Publication

ADM-358

STATE OF UTAH,
County of Salt Lake

ss.

Cheryl Gierloff



Being first duly sworn, deposes and says that he/she is legal advertising clerk of THE SALT LAKE TRIBUNE, a daily newspaper printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County, in the State of Utah, and of the DESERET NEWS, a daily newspaper printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County, in the State of Utah.

That the legal notice of which a copy is attached hereto

.....In the Matter of the application of Superior.....

.....Oil Co.,.....*UIC - 018*.....

was published in said newspaper on

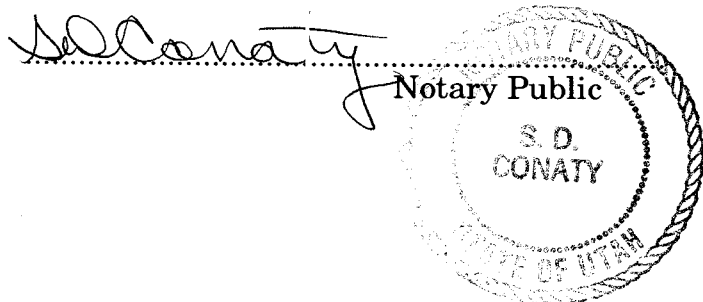
.....August 4, 1983.....

Cheryl Gierloff
Legal Advertising Clerk

Subscribed and sworn to before me this11th..... day of
.....August..... A.D. 1983.....

My Commission Expires

.....Oct. 1, 1986.....



CLASS II FILE NOTATIONS

DATE FILED: 1-17-83 OPERATOR: Superior Oil WELL NO. # 28-23
7-18-83
 Sec. 28 T. 41SR. 2SE QRT/QRT: SW/NE/SW COUNTY: San Juan
 New Well? Conversion? Disposal Enhanced Recovery

SURETY/Bond? Yes Card Indexed? API Number: 43-037-30511

APPLICATION FILE COMPLETION

Completed Form DOGM-UIC-1? Yes

Plat identifying location and total depth of the following, Rule I-5(b)(1):

Surface Owner(s): Navajo Indian Operators: water well(s) , abandoned well(s) , producing wells or drilling well(s) , dry holes .

Completed Rule I-5(b)(2)? Yes, (i) , (ii)
 ,
 ,

Schematic diagram of Well: TD: 5480', PBTD: , Depth of Inj/Disp interval: 5322'-5408', geologic name of inj/dis interval Isma - Desert Crk
 Casing and cement: top Surface, bottom , Size of: casing 13 3/8" @ 1398'
2 3/8" @ 5272' tubing 2 3/8" @ 5272', depth of packer: 5272'

Assessment of existing cement bond: Good
 Location of Bottomhole: Straight hole MAXIMUM INJECTION RATE: 4,000 BW/d
 MAXIMUM SURFACE INJECTION PRESSURE: 2500 psig.

Proposed Operating Data:

Procedure for controlling injection rates and pressures: Throttle valve
 Geologic name: Alluvium, depth, 30', location of injection fluid source. Analysis of water to be injected 1200 ppm tds, water of injection formation 105,000 ppm tds., EXEMPTION REQUIRED? No. limestone
limestone, sandstone, argillaceous, dolomite
 Injection zone and confining zone data: lithologic description , geologic name , thickness , depth , lateral extent

USDW's that may be affected by injection: geologic name , lateral extent , depth to the top and bottom of all known USDW's Base of fresh water @ 1328'

Contingency plans? Yes

Results of formation testing?
 Description of mechanical integrity test , injection procedure

CHECKED BY: UIC ADMINISTRATOR:

UIC GEOLOGIST:

Application Complete? Yes Notice Published Yes Date: 7/12/83
 DIRECTOR: Approved? , approval letter sent , Requires hearing

was approved by BLM 1/17/83

NOV		
DEC		
JAN		
FEB		

SUPERIOR OIL

RECEIVED

APR 16 1984

**DIVISION OF OIL
GAS & MINING**

April 12, 1984

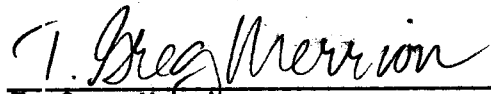
State of Utah
Oil, Gas & Mining
4241 State Office Bldg
Salt Lake City, Utah 84114

Re: S. E. McElmo #28-23
Section 28, T41S, R25E
San Juan County, Utah

Dear Sir:

Enclosed please find the regulatory forms required for converting the subject well from a temporarily abandoned status to an injection well. The forms were previously submitted January 11, 1983, but the work has not been performed and because of the time which has transpired, they are being re-submitted for approval.

Respectfully submitted,



T. Greg Merrion
Petroleum Engineer
Superior Oil Company

TGM/lh
Enc.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPL
(Other instructions
verse side)

E*
re

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

OIL WELL ☐ GAS WELL ☐ OTHER ☐

TEMPORARILY ABANDONED

2. NAME OF OPERATOR

SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR

P.O. DRAWER 'G', CORTEZ, COLORADO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*

See also space 17 below.)

At surface

1645' FWL, 1761' FSL

14. PERMIT NO.

API #43-037-30511

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

KB: 4588.6' GL: 4571'

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-700

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NAVAJO

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

SOUTHEAST McELMO

9. WELL NO.

#28-23

10. FIELD AND POOL, OR WILDCAT

SOUTHEAST McELMO

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

SEC. 28, T41S, R25E

12. COUNTY OR PARISH

SAN JUAN

13. STATE

UTAH

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐

PULL OR ALTER CASING ☐

WATER SHUT-OFF ☐

REPAIRING WELL ☐

FRACTURE TREAT ☐

MULTIPLE COMPLETE ☐

FRACTURE TREATMENT ☐

ALTERING CASING ☐

SHOOT OR ACIDIZE ☐

ABANDON* ☐

SHOOTING OR ACIDIZING ☐

ABANDONMENT* ☐

REPAIR WELL ☐

CHANGE PLANS ☐

(Other) ☐

(Other) CONVERT TO INJECTION

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

1. MIRU.
2. Drill out cement & CIBP.
3. RIH w/ plastic coated packer & 2-7/8" tubing. Set pkr at 5250'.
4. NU wellhead.
5. RDMO.
6. Place well on injection.

RECEIVED

APR 16 1984

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: _____
BY: _____

DIVISION OF OIL
GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

T. Greg Merrion

TITLE

Production Engineer

DATE

4-12-84

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

April 18, 1984

SUPERIOR OIL COMPANY
P.O. Drawer "G"
Cortez, Colorado 81321
ATTN: Greg Merrion

RE: S.E. McElmo #28-23
Section 28, T41S, R25E
San Juan County, Utah

Gentlemen:

The Division has no objection to conversion of the above referenced well to water injection.

The casing should be pressure tested in accordance with Rule I-6 prior to commencement of injection.

Sincerely,
DIVISION OF OIL, GAS AND MINING


R.J. Firth
Associate Director

GH/mfp

cc: Navajo Tribe
EPA

FORM NO. DOGM-UIC-5
(1981)

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING
Room 4241 State Office Building
Salt Lake City, Utah 8414
(801) 533-5771

RULE I-7 (d & e)

NOTICE OF (COMMENCEMENT) (TERMINATION) OF INJECTION
(Circle appropriate heading)

Check Appropriate Classification:

Date of Commencement/~~Termination~~ 12-5-84

Disposal Well ☐

Enhanced Recovery Injection Well ☒

Enhanced Recovery Project ☐

Well Name S. E. McElmo # 28-23

Location: Section 28 Twp. 41S Rng. 25E, County San Juan

Order No. authorizing Injection UIC - 018 Date April 18, 1984

Zone into Which Fluid Injected Desert Creek

If this is a Notice of Termination of injection, please indicate date well commenced injection. _____

If this is a Notice of Termination of injection, please indicate if well is to be plugged or returned to production; if returned to production, indicate producing interval _____

Operator Mobil Oil Corporation, Agent for Superior Oil Company

Address P.O. Drawer "G" Cortez, Colorado 81321

Roberto Dentici
Signature R. Dentici

1/31/85
Date

INSTRUCTION: If this is notification of an enhanced recovery project injection termination, it must be accompanied by an individual well status report for all project injection wells.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLI
(Other instructions
verse side)

Form approved
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER ☐ WATER INJECTION

2. NAME OF OPERATOR
SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR
P. O. DRAWER 'G', CORTEZ, COLORADO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

1654' FWL, 1761' FSL

14. PERMIT NO.

43-037-30511

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

KB: 4585.6', GL: 4571'

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-700

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NAVAJO

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

SOUTHEAST McELMO

9. WELL NO.

#28-23

10. FIELD AND POOL, OR WILDCAT

SOUTHEAST McELMO

11. SEC., T., R., M., QUARTER AND
SURVEY OR AREA

SEC. 28, T41S, R25E

12. COUNTY OR PARISH 13. STATE

SAN JUAN

UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Re-entry, convert to injection

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

11-28-84: MIRU workover rig.

11-29-84: RIH w/ bit & scraper. Tagged cmt at 5245'.

11-30-84: Drilled out to 5280'. Tagged CIBP. POH w/ bit & scraper.

12-1-84: RIH w/ sandline drill. Knocked out CIBP at 5280'. Started in hole w/ Baker Lock-set pkr and plastic coated hyril tbq.

12-2-84: Finished in hole w/ injection equipment. Set pkr at 5282'. Filled backside w/ inhibited fresh water and tested pkr. RDMO workover rig.

12-5-84: Well placed on injection.

18. I hereby certify that the foregoing is true and correct

SIGNED Roberto Dentici

TITLE Engineer

DATE 1-31-85

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Mobil Oil Corporation

P.O. BOX 5444
DENVER, COLORADO 80217-5444

May 14, 1986

Utah Board of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attn: R. J. Firth
Associate Director

RECEIVED
MAY 16 1986

DIVISION OF
OIL, GAS & MINING

SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

On September 20, 1984, The Superior Oil Company (Superior) became a wholly owned subsidiary of Mobil Corporation. Since January 1, 1985, Mobil Oil Corporation (MOC), another wholly owned subsidiary of Mobil Corporation, has acted as agent for Superior and has operated the Superior-owned properties.

On April 24, 1986, Superior was merged with Mobil Exploration and Producing North America Inc. (MEPNA), which is also a wholly owned subsidiary of Mobil Corporation. MEPNA is the surviving company of the merger.

This letter is to advise you that all properties held in the name of Superior will now be held in the name of MEPNA; and that these properties will continue to be operated by MOC as agent for MEPNA.

Attached is a listing of all wells and a separate listing of injection-disposal wells, Designation of Agent and an organization chart illustrating the relationships of the various companies. If you have any questions or require additional documentation of this merger, please feel free to contact me at the above address or (303) 298-2577.

Very truly yours,



R. D. Baker
Environmental Regulatory Manager

CNE/rd
CNE8661

WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 2)
FOR THE CORTEZ SUPERVISOR AREA
FOR THE GREATER ANETH FIELD 05/13/86

PROPERTY NAME	WELL NAME	COUNTY	STATE	SEC	TWNSHP	RNG	WELL TYPE	S T A T E T	API NUMBER	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
MC ELMO CREEK	R15	SAN JUAN	UT	NW	SW	04-41S-25E	INJ	OP	43-037-05670	14-20-603-2057		96-004190
	R15-1	SAN JUAN	UT	NW	SW	04-41S-25E	INJ	SI	43-037-05670	14-20-603-2057		96-004190
	S-10 ✓	SAN JUAN	UT	SE	NW	33-40S-25E	INJ	OP	43-037-05757	14-20-603-2057		96-004190
	S-12 ✓	SAN JUAN	UT	SE	SW	33-40S-25E	INJ	OP	43-037-16150	14-20-603-2057		96-004190
	S-14 ✓	SAN JUAN	UT	SE	NW	04-41S-25E	INJ	OP	43-037-16151	14-20-603-2057		96-004190
	T-08 ✓	SAN JUAN	UT	SW	SE	20-40S-25E	INJ	OP	43-037-05793	14-20-603-2048-A		96-004190
	T-13	SAN JUAN	UT	NW	NE	04-41S-25E	INJ	OP	43-037-05714	14-20-603-2057		96-004190
	T-15 ✓	SAN JUAN	UT	NW	SE	04-41S-25E	INJ	OP	43-037-05660	14-20-603-2057		96-004190
	T-17 ✓	SAN JUAN	UT	NW	NE	09-41S-25E	INJ	OP	43-037-05614	14-20-603-359		96-004190
	T-19 ✓	SAN JUAN	UT	NW	SE	09-41S-25E	INJ	OP	43-037-15981	14-20-603-359		96-004190
	U-10 ✓	SAN JUAN	UT	SE	NE	33-40S-25E	INJ	OP	43-037-05761	14-20-603-2057		96-004190
	V-06 ✓	SAN JUAN	UT	SW	NW	27-40S-25E	INJ	OP	43-037-16382	14-20-603-2048-A		96-004190
	V-13 ✓	SAN JUAN	UT	NW	NW	03-41S-25E	INJ	OP	43-037-05706	14-20-603-2057		96-004190
	V-15 ✓	SAN JUAN	UT	NW	SW	03-41S-25E	INJ	OP	43-037-05669	14-20-603-2057		96-004190
NAV TRACT 125	20-23 ✓	SAN JUAN	UT	NE	SW	20-41S-25E	INJ	OP	43-037-30511			
WHITE MESA	2-21 ✓	SAN JUAN	UT	NE	NW	2-42S-24E	INJ	OP	43-037-15534	14-20-603-259		96-004193
	3-12 ✓	SAN JUAN	UT	SW	NW	3-42S-24E	INJ	OP	43-037-15366	14-20-603-410		96-004193
	3-21 ✓	SAN JUAN	UT	NE	NW	3-42S-24E	INJ	OP	43-037-15363	14-20-603-410		96-004193
	3-23 ✓	SAN JUAN	UT	NE	SW	3-42S-24E	INJ	TH	43-037-16447	14-20-603-410		96-004193
	4-14 ✓	SAN JUAN	UT	NE	SE	4-42S-24E	INJ	OP	43-037-16448	14-20-603-410		96-004193
	4-21 ✓	SAN JUAN	UT	NE	NW	4-42S-24E	INJ	OP	43-037-15364	14-20-603-410		96-004193
	4-32 ✓	SAN JUAN	UT	SW	NE	4-42S-24E	INJ	OP	43-037-15365	14-20-603-410		96-004193
	4-34 ✓	SAN JUAN	UT	SW	SE	4-42S-24E	INJ	OP	43-037-16449	14-20-603-410		96-004193
	4-41 ✓	SAN JUAN	UT	NE	NE	4-42S-24E	INJ	OP	43-037-16446	14-20-603-410		96-004193
	4-45 ✓	SAN JUAN	UT	NE	SE	4-42S-24E	INJ	OP	43-037-15069	14-20-603-410		96-004193
	10-41 ✓	SAN JUAN	UT	NE	NE	10-42S-24E	INJ	SI	43-037-16450	14-20-603-410		96-004193
	22-23 ✓	SAN JUAN	UT	NE	SW	22-42S-24E	INJ	SI	43-037-16438	14-20-603-355A		96-004193
	22-32 ✓	SAN JUAN	UT	SW	NE	22-41S-24E	INJ	SI	43-037-15759	14-20-603-355A		96-004193
	22-42 ✓	SAN JUAN	UT	SW	SE	22-41S-24E	INJ	SI	43-037-16437	14-20-603-355A		96-004193
	20-34 ✓	SAN JUAN	UT	SW	SE	20-41S-24E	INJ	SI	43-037-16441	14-20-603-409		96-004193

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE

SUNDRY NOTICES AND REPORTS ON WELLS

1. Oil Well (X) Gas Well () Other ()
2. Name Of Operator
Mobil Oil Corporation
3. Address Of Operator
P. O. Box 5444, Denver, CO 80217-5444
4. Location Of Well
NE NW Sec. 28, T41S, R26E SLM

RECEIVED
JUL 1 1988

DIVISION OF
OIL, GAS & MINING

5. Lease Designation And Serial No
14-20-603-700
6. Indian, Allottee Tribe Name
Navajo
7. Unit Agreement Name
8. Farm Or Lease Name
Navajo #125
9. Well No.
2
10. Field And Pool, Or Wildcat
S. E. Mc Elmo
11. Sec., T., R.,
Sec 28, T41S, R26E SLM
12. County
San Juan
13. State
Utah

14. Permit No.
43-037-15542
15. Elevation

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

Notice Of Intention To :

- | | | | |
|---------------------|--|----------------------|--|
| Test Water Shut-off | | Pull Or Alter Casing | |
| Fracture Treat | | Multiple Complete | |
| Shoot Or Acidize | | Abandon | |
| Repair Well | | Change Plans | |
| (Other) | | | |

Subsequent Report Of :

- | | | | |
|--------------------------|--|-----------------|--|
| Water Shut-off | | Repairing Well | |
| Fracture Treatment | | Altering Casing | |
| Shooting Or Acidizing | | Abandonment | |
| (Other) SALE OF PROPERTY | | | |

17. Describe Proposed Or Completed Operations —

Effective May 1, 1988 this lease, including the reference well was sold to:

Pioneer Oil & Gas
6925 Union Park Center
Suite 145
Midvale, Utah 84047

X 10-30-90 / MEPNA (303) 565-2224
per Diana Bower & Tiny Hymen w/MEPNA
and Dan Jarvis w/DOBM oper. change from
Mobil Oil Corp. (MEPNA) to Pioneer Oil & Gas
involved complete lease "Navajo Tract #125"
the Mc Elmo Creek # 28-23 / 43-037-30511 was
a part of this tract. JEF

OIL AND GAS	
DRN	RJF
JRB	GLH
DTS	SLS
1-TAS	✓
2- MICROFILM	✓
3- FILE	

18. I hereby certify that the foregoing is true and correct

Signed [Signature] Title Mgr., Regulatory Compliance Date June 28, 1988

Approved By _____ Title _____ Date _____

Conditions Of Approval If Any:

UTAH DIVISION OF OIL, GAS AND MINING
CASING-BRADENHEAD TEST

43-037-30511

OPERATOR: MEPNA
FIELD: Greater Aneth LEASE: M^c Elmo Creek
WELL # 28-23 SEC. 28 TOWNSHIP 4/S RANGE 25E
STATE (FED.) FEE DEPTH 5480 TYPE WELL INJW MAX. INJ. PRESS. 2800

TEST DATE 9/10/86

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>	<u>13 7/8</u>	<u>100</u>	<u>surface</u>	<u>→</u>	<u>valve underwater,</u>	
<u>INTERMEDIATE</u>	<u>8 5/8</u>	<u>1400</u>	<u>800</u>	<u>0#</u>	<u>blew down in</u>	<u>rate 2521</u>
<u>PRODUCTION</u>	<u>5 1/2</u>	<u>3480</u>	<u>295</u>		<u>a few seconds</u>	

<u>TUBING</u>	<u>2 7/8</u>	<u>5272</u>		<u>1500#</u>	<u>Reat on strainer valve</u>	
	<u>Packer at 5272</u>					

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>						
<u>INTERMEDIATE</u>						
<u>PRODUCTION</u>						
<u>TUBING</u>						

CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
<u>SURFACE</u>						
<u>INTERMEDIATE</u>						
<u>PRODUCTION</u>						
<u>TUBING</u>						

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		3. LEASE DESIGNATION AND SERIAL NO. 14-20-603-700	
2. NAME OF OPERATOR Pioneer Oil and Gas		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo	
3. ADDRESS OF OPERATOR 6925 Union Park Center, Suite 145, Midvale, UT 84047		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface See Below		8. FARM OR LEASE NAME McElmo S.E.	
14. PERMIT NO.		9. WELL NO. See Below	
15. ELEVATIONS (Show whether DF, ST, CR, etc.)		10. FIELD AND POOL, OR WILDCAT McElmo S.E.	
16. COUNTY OR PARISH San Juan		11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA	
17. STATE Utah			

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	PULL OR ALTER CASING
FRACTURE TREAT	MULTIPLE COMPLETION
SHOOT OR ACIDIZE	ABANDON*
REPAIR WELL	CHANGE PLANS
(Other)	Change of Operator

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREATMENT	ALTERING CASING
SHOOTING OR ACIDIZING	ABANDONMENT*
(Other)	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Well Name	Legal Description	Well Type	Status	API Number
No. 1. Navajo 125	SWSW 21-41S-25E	P	OP	43-037-15541
No. 2. Navajo 125	NENW 28-41S-25E	P	OP	43-037-15542
No. 4. Navajo 125	SWNW 28-41S-25E	P	OP	43-037-15543
No. 28-23	NESW 28-41S-25E	INJ	SI	43-037-30511

Pioneer Oil and Gas has assigned all its ownership in the subject lease effective August 1, 1990. Pioneer Oil and Gas shall no longer be the operator of the subject properties.

Giant Exploration and Production Company shall therefore be the operator effective August 1, 1990.

Former Operator:
Pioneer Oil and Gas

New Operator:
Giant Exploration & Production Company
PO Box 2810
Farmington, NM 87499

Signed: Gregg B. Colton
Gregg B. Colton, Vice President
Date: July 31, 1990

Signed: Aldrich L. Kuchera
Title: Aldrich L. Kuchera, President and CEO
Date: August 13, 1990

18. I hereby certify that the foregoing is true and correct

SIGNED: R. Haggie Wilson TITLE: Land Manager DATE: July 31, 1990
(This space for Federal or State office use)

APPROVED BY: _____ TITLE: _____ DATE: _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Changes made 9-26-90

Routing:

1-	LCR	✓
2-	DTS	✓
3-	VLC	✓
4-	RJF	✓
5-	RWM	✓
7-	LCR	✓

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-1-90)

TO (new operator)	<u>GIANT EXPLOR. & PROD. CO.</u>	FROM (former operator)	<u>PIONEER OIL AND GAS</u>
(address)	<u>P. O. BOX 2810</u>	(address)	<u>6925 UNION PARK CTR. #145</u>
	<u>FARMINGTON, NM 87499</u>		<u>MIDVALE, UT 84047</u>
	<u>phone (505) 326-3325</u>		<u>phone (801) 566-3000</u>
	<u>account no. N 0075</u>		<u>account no. N 3025</u>

Well(s) (attach additional page if needed):

Name: <u>SENTINEL PEAK 22-34 (TSMY)</u>	API: <u>4303730748</u>	Entity: <u>00546</u>	Sec <u>22</u> Twp <u>41S</u> Rng <u>26E</u>	Lease Type: <u>INDIAN</u>
Name: <u>MCCELMO CR Q-29 (DSCP)</u>	API: <u>4303715524</u>	Entity: <u>05995</u>	Sec <u>29</u> Twp <u>41S</u> Rng <u>25E</u>	Lease Type: <u>INDIAN</u>
Name: <u>NAVAJO TR 125 #1 (DSCP)</u>	API: <u>4303715541</u>	Entity: <u>05990</u>	Sec <u>21</u> Twp <u>41S</u> Rng <u>25E</u>	Lease Type: <u>INDIAN</u>
Name: <u>NAVAJO TRE 125 #2 (DSCP)</u>	API: <u>4303715542</u>	Entity: <u>05990</u>	Sec <u>28</u> Twp <u>41S</u> Rng <u>25E</u>	Lease Type: <u>INDIAN</u>
Name: <u>NAVAJO TR 125 #4 (DSCP)</u>	API: <u>4303715543</u>	Entity: <u>05990</u>	Sec <u>28</u> Twp <u>41S</u> Rng <u>25E</u>	Lease Type: <u>INDIAN</u>
Name: <u>SENTINEL PEAK #27-14 (TSMY)</u>	API: <u>4303720292</u>	Entity: <u>99991</u>	Sec <u>27</u> Twp <u>41S</u> Rng <u>26E</u>	Lease Type: <u>INDIAN</u>
Name: <u>SENTINEL PEAK 27-21 (TSMY)</u>	API: <u>4303730747</u>	Entity: <u>06020</u>	Sec <u>27</u> Twp <u>41S</u> Rng <u>26E</u>	Lease Type: <u>INDIAN</u>

CONTINUED-----

OPERATOR CHANGE DOCUMENTATION

- 1 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- 2 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: ____.
- 3 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- 5 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above.
- 6 6. Cardex file has been updated for each well listed above.
- 7 7. Well file labels have been updated for each well listed above.
- 8 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- 9 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) NO (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) _____. Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
2. Copies of documents have been sent to State Lands for changes involving State leases.

MICROFILMING

1. All attachments to this form have been microfilmed. Date: October 9 1990.

FILED

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

REMARKS

8-20-90 Earl Beecher / Btm Farmington Nm - No documentation as of yet.

8-29-90 Earl Beecher - Informed me that these wells are under the jurisdiction of EPA.

(2 wells - 43-037-30511 (W1W) and 43-037-31144 (W1W) are still listed under MEPNA)

00926 Per DTS & MEPNA telephone verification (see phone doc.) ok to change (2) wells listed above!

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1-
2-
3-
4-
5-
6-

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-1-90)

TO (new operator)	<u>GIANT EXPLOR. & PROD. CO.</u>	FROM (former operator)	<u>PIONEER OIL AND GAS</u>
(address)	<u></u>	(address)	<u></u>
	<u></u>		<u></u>
	<u></u>		<u></u>
phone ()	<u></u>	phone ()	<u></u>
account no. <u>N 0075</u>		account no. <u>N3025</u>	

Well(s) (attach additional page if needed):

CONTINUED-----

Name: <u>SENTINEL PEAK 27-32 (ISMY)</u>	API: <u>4303730537</u>	Entity: <u>06025</u>	Sec <u>27</u> Twp <u>41S</u> Rng <u>26E</u>	Lease Type: <u>INDIAN</u>
Name: <u>SENTINEL PEAK 27-33 (ISMY)</u>	API: <u>4303731029</u>	Entity: <u>06025</u>	Sec <u>27</u> Twp <u>41S</u> Rng <u>26E</u>	Lease Type: <u>INDIAN</u>
Name: <u>GOTHIC MESA 6-23 (DSCP)</u>	API: <u>4303715039</u>	Entity: <u>06008</u>	Sec <u>6</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>GOTHIC MESA 6-34 (DSCP)</u>	API: <u>4303715034</u>	Entity: <u>06008</u>	Sec <u>6</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>GOTHIC MESA 7-21 (DSCP)</u>	API: <u>4303715036</u>	Entity: <u>06008</u>	Sec <u>7</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>GOTHIC MESA 7-41 (DSCP)</u>	API: <u>4303715032</u>	Entity: <u>06008</u>	Sec <u>7</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>GOTHIC MESA 8-12 (DSCP)</u>	API: <u>4303715035</u>	Entity: <u>06008</u>	Sec <u>8</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>

CONTINUED-----

OPERATOR CHANGE DOCUMENTATION

- ___ 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- ___ 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- ___ 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ___ If yes, show company file number: _____.
- ___ 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- ___ 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above.
- ___ 6. Cardex file has been updated for each well listed above.
- ___ 7. Well file labels have been updated for each well listed above.
- ___ 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- ___ 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1-
2-
3-
4-
5-
6-

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator (well sold)
☐ Designation of Operator

☐ Designation of Agent
☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-1-90)

TO (new operator)	<u>GIANT EXPLOR. & PROD. CO.</u>	FROM (former operator)	<u>PIONEER OIL AND GAS</u>
(address)		(address)	
phone ()		phone ()	
account no. <u>N 0075</u>		account no. <u>N 3025</u>	

Well(s) (attach additional page if needed):

CONTINUED-----

Name: <u>GOTHIC MESA 8-33 (DSCP)</u>	API: <u>4303715037</u>	Entity: <u>06008</u>	Sec <u>8</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>GOTHIC MESA 8-42 (DSCP)</u>	API: <u>4303715033</u>	Entity: <u>06008</u>	Sec <u>8</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>GOTHIC MESA 9-13 (DSCP)</u>	API: <u>4303715041</u>	Entity: <u>06008</u>	Sec <u>9</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>NAVAJO 67-4 (9-24) (DSCP)</u>	API: <u>4303716452</u>	Entity: <u>99990</u>	Sec <u>9</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>GOTHIC MESA 16-11 (DSCP)</u>	API: <u>4303715042</u>	Entity: <u>06008</u>	Sec <u>16</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>GOTHIC MESA UNIT 16-13A</u>	API: <u>4303731454</u>	Entity: <u>06008</u>	Sec <u>16</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>GOTHIC MESA 16-22 (DSCP)</u>	API: <u>4303715043</u>	Entity: <u>06008</u>	Sec <u>16</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>

CONTINUED-----

OPERATOR CHANGE DOCUMENTATION

- ___ 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- ___ 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- ___ 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ___ If yes, show company file number: _____.
- ___ 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- ___ 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above.
- ___ 6. Cardex file has been updated for each well listed above.
- ___ 7. Well file labels have been updated for each well listed above.
- ___ 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- ___ 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1-
2-
3-
4-
5-
6-

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-1-90)

TO (new operator)	<u>GIANT EXPLOR. & PROD. CO.</u>	FROM (former operator)	<u>PIONEER OIL AND GAS</u>
(address)	<u></u>	(address)	<u></u>
	<u></u>		<u></u>
	<u></u>		<u></u>
phone ()	<u></u>	phone ()	<u></u>
account no. <u>N 0075</u>		account no. <u>N3025</u>	

Well(s) (attach additional page if needed):
CONTINUED-----

Name: <u>GOTHIC MESA 16-33 (DSCR) ^{155m}</u>	API: <u>4303715044</u>	Entity: <u>06008</u>	Sec <u>16</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>GOTHIC MESA 16-44 (DSCR)</u>	API: <u>4303716453</u>	Entity: <u>06008</u>	Sec <u>16</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u>GOTHIC MESA 17-31 (DSCR)</u>	API: <u>4303715040</u>	Entity: <u>06008</u>	Sec <u>17</u> Twp <u>41S</u> Rng <u>23E</u>	Lease Type: <u>INDIAN</u>
Name: <u></u>	API: <u></u>	Entity: <u></u>	Sec <u></u> Twp <u></u> Rng <u></u>	Lease Type: <u></u>
Name: <u>**SENTINEL PK #27-23</u>	API: <u>4303731144</u>	Entity: <u>99990</u>	Sec <u>27</u> Twp <u>41S</u> Rng <u>26E</u>	Lease Type: <u>INDIAN</u>
Name: <u>**MCELMO CR 28-23</u>	API: <u>4303730511</u>	Entity: <u>05980</u>	Sec <u>28</u> Twp <u>41S</u> Rng <u>25E</u>	Lease Type: <u>INDIAN</u>
Name: <u></u>	API: <u></u>	Entity: <u></u>	Sec <u></u> Twp <u></u> Rng <u></u>	Lease Type: <u></u>
END-----				

OPERATOR CHANGE DOCUMENTATION

- ___ 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- ___ 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- ___ 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ___ If yes, show company file number: _____.
- ___ 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- ___ 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above.
- ___ 6. Cardex file has been updated for each well listed above.
- ___ 7. Well file labels have been updated for each well listed above.
- ___ 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- ___ 9. A folder has been set up for the Operator Charge file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

STATE OF UTAH
DIVISION OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)		5. LEASE DESIGNATION & SERIAL NO.	
		14-20-603-700	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
		Navajo	
1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Water Injection		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR		8. FARM OR LEASE NAME	
Giant Exploration & Production Company		South East McElmo	
3. ADDRESS OF OPERATOR		9. WELL NO.	
P.O. Box 2810, Farmington, N.M. 87499		28-23	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)		10. FIELD AND POOL, OR WILDCAT	
At surface 1654' FWL, 1761' FSL, Sec. 28, T41S, R25E		SouthEast McElmo	
At proposed prod. zone		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
		Sec. 28, T41S, R25E	
14. API NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY	13. STATE
43-037-30511	4571' GL	San Juan	Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Status Report</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION _____	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

Annual Status Report

The South East McElmo Creek #28-23 is currently shut in. It is planned to return this well to injection pending a workover. A review of the well and all available workover options is underway. This review period began after the change in ownership.

RECEIVED

APR 02 1992

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED Jeffrey R. Vaughan TITLE Engineering Manager DATE MAR 31 1992

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)		5. LEASE DESIGNATION & SERIAL NO. 14-20-603-700
1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER XX Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
2. NAME OF OPERATOR Giant Exploration & Production Company		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P.O. Box 2810, Farmington, N.M. 87499		8. FARM OR LEASE NAME Southeast McElmo
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface At proposed prod. zone 1654' FWL, 1761' FSL, Sec. 28, T41S, R25E		9. WELL NO. 28-23
14. API NO. 43-037-30511		10. FIELD AND POOL, OR WILDCAT Southeast McElmo
15. ELEVATIONS (Show whether DF, RT, GL, etc.) KB 4585.6', GL 4571'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 28, T41S, R25E
12. COUNTY San Juan		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON ☐

CHANGE PLANS ☐

APPROX. DATE WORK WILL START _____

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) Status Report ☒

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

DATE OF COMPLETION _____

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

Annual Status Report:

The Southeast McElmo #28-23 is currently shut-in. This well is being evaluated for future use.

RECEIVED

FEB 02 1993

DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

Jeffrey R. Vaughan

TITLE Engineering Manager

DATE JAN 28 1993

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER: Injection Well	5. Lease Designation and Serial Number: 14-20-603-700
2. Name of Operator: Giant Exploration & Production Company	6. If Indian, Allottee or Tribe Name: Navajo Tribe
3. Address and Telephone Number: P.O. Box 2810, Farmington, New Mexico 87499 (505)326-3325	7. Unit Agreement Name:
4. Location of Well Footages: 1654' FWL, 1761' FSL QQ, Sec., T., R., M.: Sec. 28, T41S, R25E	8. Well Name and Number: Southeast McElmo #28-23 9. API Well Number: 43-037-30511 10. Field and Pool, or Wildcat: Southeast McElmo
County: San Juan State: Utah	

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|---|---|
| <input checked="" type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

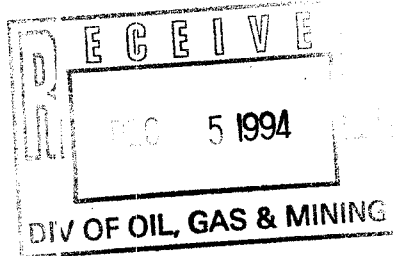
Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

See Attachment "A".



13. Name & Signature: Gregory E. McIntosh Title: Area Engineer Date: DEC 01 1994

(This space for State use only)

Ant Exploration & Production Company
SouthEast McElmo Well No. 28-23

Attachment "A"

11/17/94 Set 30 sack (35.4 cuft) plug to cover Desert Creek.

11/18/94 Cut off tubing at 5232'. Set retainer at 5177'. Pumped 37 sacks (43.7 cuft) below retainer to cover Desert Creek perms. Spotted 20 sacks (23.6 cuft) on top of retainer to cover Ismay top.

11/21/94 Set 18 sack (21.2 cuft) cement plug to cover Hermosa top. Perforated squeeze holes at 1448'. Set cement retainer at 1386'. Pumped 55 sacks (64.9 cuft) below retainer and spotted 25 sacks (29.5 cuft) on top of retainer to cover Chinle top and casing shoe. Perforated squeeze holes at 150'. Pumped 63 sacks (74.3 cuft) in casing and through Bradenhead. Cut off wellhead and installed dry hole marker.

Note: All cement will be Class B cement mixed at 15.8 ppg, 1.18 cuft/sk yield. 8.33 ppg plugging mud was used between cement plugs.

Note: All changes from intent sundry were approved by Wayne Townsend and Ron Snow on 11/18/94.

Casing remaining in hole:

Surface casing: 13-3/8", 48#, H-40 to 82'
Intermediate casing: 8-5/8", 24#, K-55 to 1398'
Production casing: 5-1/2", 14# & 15.5#, K-55 to 5480'
Tubing string: 2-7/8", 6.5# from 5282' to 5232'

BLM representative: Ron Snow and Herman Lujan

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER: Injection Well	5. Lease Designation and Serial Number: 14-20-603-700
2. Name of Operator: Giant Exploration & Production Company	6. If Indian, Allottee or Tribe Name: Navajo
3. Address and Telephone Number: P.O. Box 2810, Farmington, New Mexico 87499 (505)326-3325	7. Unit Agreement Name:
4. Location of Well Footages: 1654' FWL, 1761' FSL QQ, Sec., T., R., M.: Sec. 28, T41S, R25E	8. Well Name and Number: Southeast McElmo #28-23
	9. API Well Number: 43-037-30511
	10. Field and Pool, or Wildcat: Southeast McElmo
	County: San Juan State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Annual Status Report</u> | |

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Annual Status Report:

The Southeast McElmo #28-23 was plugged and abandoned on 11/22/94.

13.

Name & Signature:

Gregory E. McIntosh
Gregory E. McIntosh

Title: Area Engineer

Date:

MAR 07 1995

(This space for State use only)